CONSTRUCTION NEWS

PIG IRON

ALL PRICES ARE OF NOVEMBER 1

	Current	One Month Ago
Cincinnati		
No. 2 Southern	$32.60	$30.35
Northern Basic	31.05	27.55
Southern Ohio No. 2	31.55	29.55
New York, tidewater delivery		
2X Virginia (silicon 2.25 to 2.75)	35.55	32.40
Southern No.2(silicon 2.25 to 2.75)	33.50	33.20
Birmingham		
No. 2 Foundry	30.00	29.75
Philadelphia		
Eastern Pa.	33.00*	29.30
Virginia No. 2	34.40*	33.10
Basic	29.00T	25.75
Grey Forge	29.40*	28.25
Chicago		
No. 2 Foundry Local	31.40	28.75
No. 2 Foundry Southern	34.10	28.00
Pittsburgh, including freight charge from the Valley		
No. 2 Foundry Valley	32.40	28.15
Basic	28.40	27.15
Bessemer	29.35	28.35

* F. o. b. furnace. T Delivered.

RAILWAY SUPPLIES

STEEL RAILS-The following quotations are per ton f. o. b. Pittsburg and Chicago for carload or larger lots. For less than carload lots 5¢. per 100 lb. is charged extra:

	Pittsburgh		Chicago	
	Current	One Year Ago	Current	One Year Ago
Standard bessemer rails	$45.00	$55.00	$45.00	$55.00
Standard openhearth rails	47.00	57.00	47.00	57.00
Light rails, 8 to 10 lb.	2.58 1/2*	3.13*	2.585*	3.13*
Light rails, 12 to 14 lb.	2.54*	3.09*	2.54*	3.09*
Light rails, 25 to 45 lb.	2.45*	3.00*	2.45*	3.00*

*Per 100 lb.

TRACK SUPPLIES-The following prices are base per 100 lb. f.o.b. Pittsburgh for carload lots,together with the warehouse prices at the places named:

	Pittsburgh				San Francisco
	Current	One Year Ago	Chicago	St.Louis	
Standard spikes,9/16in.& larger	$3.35	$3.90	$4.27	$4.44	$5.65
Track bolts	4.35	4.90	5.17	Premium	6.65
Standard section angle bars	3.00	....	4.22	Premium	4.60

RAILWAY TIES-For fair-sized orders, the following prices per tie hold:

		7 In.x 9 In. by 8 Ft.	6 In.x.8 In. by 8 Ft.
Chicago	Plain	$1.48	$1.23
San Francisco	Douglas Fir-Green	1.35	.96
San Francisco	Douglas Fir-Creosoted	2.70	1.92

Prices per tie at Missouri mills; St. Louis prices about 25¢ higher:

Untreated A Grade White Oak 6x8x8		Untreated A Grade Red Oak 6x8x8	
No. 1	$0.70	No. 1	$0.55
No. 2	.80	No. 2	.65
No. 3	.90	No. 3	.75
No. 4	.95		
7x9x9 white oak			1.05
7x9x8 red oak (No. 4)	$0.80	No. 5	.87

Note.-Add 36¢ each for treatment.

PIPE

STEEL-From warehouses at the places named the following discounts hold for steel pipe:

	Black		
	New York	Chicago	St. Louis
3/4 to 3 in. butt welded	47%	57.5%	45%
2 1/2 to 6 in. lap welded	42%	53.5%	41 1/2%

	Galvanized		
	New York	Chicago	St. Louis
3/4 to 3 in. butt welded	31%	44%	30 1/2%
2 1/2 to 6 in. lap welded	27%	41%	27 1/2%

Malleable fittings, Class B and C, from New York stock sell at + 12 1/2% list prices, Cast iron, standard size, 10% off.

CAST-IRON PIPE-The following are prices per net ton for carload lots:

	New York							
	Current	One Month Ago	One Year Ago	Chicago	St. Louis	San Francisco	Dallas
4 in.	$61.30	$57.30	$70.70	$62.80	$61.00	$77.55	$38.00
6 in. and over	58.30	54.30	67.70	59.80	58.00	74.55	32.00

Gas pipe and 16 ft. lengths are $1 per ton extra.

PIPE-The following discounts are for carload lots f.o.b. Pittsburgh: basing card of National Tube Co. for steel pipe, Carbry A. M. Byer's Co. for iron, both dated Mar. 21, 1919.

BUTT WELD

Steel				Iron		
Inches	Black	Galvanized	Inches	Black	Galvanized
1/8,1/4 & 3/8	50 1/2%	34%	3/4 to 1 1/2	39 1/2%	23 1/2%
1/2	54 1/2%	40%			
3/4 to 3	57 1/2%	44%			

LAP WELD

2	50 1/2%	36%	2	39 1/2%	18 1/2%
2 1/2 to 3	53 1/2%	41%	2 1/2 to 6	34 1/2%	21 1/2%

BUTT WELD,EXTRA STRONG PLAIN ENDS

1/8,1/4 & 1/8	43 1/2%	25%	3/4 to 1 1/2	39 1/2%	24 1/2%
1/2	51 1/2%	39%			
3/4 to 1 1/2	55 1/2%	43%			

LAP WELD,EXTRA STRONG PLAIN ENDS

2	48 1/2%	37%	2	33 1/2%	20 1/2%
2 1/2 to 4	51 1/2%	40%	2 1/4 to 4	35 1/2%	23 1/2%
4 1/2 to 6	50 1/2%	39%	4 1/2 to 6	34 1/2%	22 1/2%

Malleable fittings. Class B and C, carried from New York stock sell at list, 5% off. Cast iron, standard sizes, 10% off.

CLAY DRAIN TILE-The following prices are per 1 00 lin.ft.:

	New York						
Size, In.	Current	One Year Ago	St.Louis	Chicago	San Francisco	Dallas
3	$35.00	$35.00	[illegible]	$50.00	.....	$33.44
4	51.00	51.00	7.00	60.00	$45.00	50.16
5	35.00	35.00	45.00	70.00	35.00	62.70
6	80.00	80.00	55.00	80.00	80.00	83.60
8	130.00	130.00	130.00	120.00	150.00	133.76

SEWER PIPE-The following prices are in cents per foot for carload lots:

	New York						
Size, In.	Current	One Year Ago	St.Louis	Chicago	San Francisco	Dallas
3	$0.09	$0.117	.....	$0.105	.....	$0.132
4	.09	.117	.....	.135	$0.15	.132
5	.135	.1755	.....	.1575	.20	.207
6	.135	.1755	$0.16	.1575	.24	.207
8	.21	.273	.21	.245	.34	.2875
10	.315	.4095	.29	.3675	.48	.4025
12	.405	.5265	.37	.4725	.64	.5175
15	.54	.702	.56	.63	1.00	.7475
18	.75	.975	.91	1.00	1.35	.9775
20	.90	1.17	1.14	1.20	1.80	1.15
22	1.20	1.56	1.46	1.60	.....	1.495
24	1.35	1.755	1.56	1.80	2.25	1.725
27	2.145	2.60	1.90	2.75	.....	2.5875
30	2.376	2.88	2.57	3.45	.....	3.1625
33	3.15	3.78	3.09	4.00	.....	4.025
36	3.5875	4.305	3.37	4.35	.....	4.60

	3	5	8	12	24	36
Boston	$0.105	$0.1575	$0.245	$0.4725	$1.575	$5.0225
St. Paul	.12	.18	.28	.45	2.00	4.75
Denver	.105	.16	.25	.425	1.575	.....
Seattle	....	.....	.33	.64	2.25	.....
Kansas City	.12	.18	.25	.50	1.80	4.60
Los Angeles	.09T	.15T	.2475	.44	1.50T	.....
New Orleans	40 per cent off					
Cincinnati	.08	.1215	.189	.3645	1.215	3.1775
Atlanta	....	.....	.35	.58	2.10	.....
Montreal	45 per cent off					
Detroit	.0885	.133	.2065	.398	1.44	3.536
Baltimore	.105	.1575	.245	.4725	1.575	.....

T-4in., 6-in. 30-in. respectively.

ROAD AND PAVING MATERIALS

ROAD OILS-Following are prices per gallon in tank cars 8000 gal. minimum f.o.b. place named:

	Current	One Month Ago
New York,45-65% asphalt	$0.04 1/4	$0.04 1/2
New York, liquid asphalt	.06	.06
New York, binder	.06 1/2	.06 1/2
New York, flux	.04 3/4	.04 3/4
St. Louis, 40% asphalt	.0412	.0412
Chicago, 15-20% asphalt	.10	.10
Chicago, 100% dust layer	.11	.11
Dallas, 40-50% asphalt	.07	.07
Dallas, 60-70% asphalt	.08	.08
Dallas, 75-00% asphalt	.10	.10
San Francisco, 75-95% asphalt, per bbl	2.10	2.10

ASPHALTUM-Price per ton in packages and bulk in carload lots:

	Brand	Package	Bulk
New York	Texaco	$22.00	$14.00
Chicago	Mexican	33.00	31.00
San Francisco	California	17.00	13.75
Dallas	Texaco and Mexican	32.00	30.00
Seattle	D grade	23.50	.....
Denver	Trinidad	45.00	.....
Denver	California	38.00	.....
St. Paul	Mexican	21.00	.....
Kansas City	Mexican	26.00	24.00
Atlanta	Standard	24.00	19.80
New Orleans	.....	16.50	.....
St. Louis	Stanolind	24.90	18.40
Detroit	Bermudez	49.40	.....
Baltimore	Manco	43.00	.....
Los Angles	D Grade	.....	13.50
Montreal	.....	.....	18.90

PAVING STONE-

Chicago	About 4x8x4 dressed	$2.45	sq.yd.
	About 4x8x4 common	2.20	sq.yd.
San Francisco	Basalt block 4x7x8	57.75	per M
Kansas City	Granite	3.00	sq.yd.
Boston	5-in.granite	110.00	per M
St. Paul	Sandstone	2.45	sq.yd.
Atlanta	Granite	1.65	sq.yd.
Detroit	Granite, small	2.75	sq.yd.
Baltimore	Common	2.30	sq.yd.
Montreal	Granite	5.90	sq.yd.

WOOD BLOCK PAVING-

	Size of Block	Treatment	Per Sq.Yd.
New York	3 1/2	16	$3.25
New York	4	16	3.50
Chicago	4	16	4.50
Chicago	3 1/2	16	3.50
Chicago	City specifications		5.00
St. Louis	3 1/2	16	2.45
St. Louis	4	16	2.70
Seattle	4	16	2.55
Kansas City	4	16	3.00
St. Paul	3 1/2	16	2.13
Atlanta	3 1/2	16	2.30
New Orleans	3 1/2	16	2.63
New Orleans	4	16	3.00
Dallas	3 1/2	18	3.17
Dallas	4	18	3.56
Baltimore	3 1/2	16	3.60
Montreal	4	16	4.62

SAND & GRAVEL-Price for cargo or carload lots is as follows,per cu.yd

	Gravel 1 1/2 In.		3/4 In.		Sand	
	Current	One Yr. Ago	Current	One Yr. Ago	Current	One Yr. Ago
New York	$2.00	$2.00	$2.00	$2.00	$1.25	$1.25
Denver	1.60	1.60	1.60	1.40	1.25	1.10
Chicago	1.35	2.00	1.35	1.40	1.35	1.95
Kansas City	2.50	2.15	3.00	2.60	1.00K	1.00
St. Louis*	1.78	1.87	1.82	1.35	1.69	1.45
Seattle	1.25	1.25	1.25	1.25	1.25	1.25
Dallas	3.00	2.00	3.00	2.00	2.50	1.40
St. Paul	1.25	1.25	1.35	1.50	.60	.60
San Francisco	1.15	1.20	1.15	1.20	1.15	1.20
Boston	1.60	2.00	1.60	1.75-2	1.00	1.00
New Orleans	2.40	4.00	2.40	1.80	1.20	2.25
Atlanta	2.00T	....	....	....	1.10T	....
Detroit	2.00	....	2.00	....	2.00	....
Baltimore	1.54	....	1.75	....	.65	....
Montreal	1.20T	....	....	....	1.10T	....

*Fine white sand, Pacific and Ottawa per ton,$6. KKaw River sand is $1.50 per yd. T per ton.

CONSTRUCTION MATERIALS

CRUSHED STONE-Price for cargo or carload lots is as follows,per cu.yd.:

	1 1/2 In.		3/4 In.	
	Current	One Year Ago	Current	One Year Ago
New York	$1.65-1.75	$1.70	$1.75-1.85	$1.85
Chicago	1.30	1.60	1.30	1.70
St. Louis	1.65	1.08	1.65	1.08
Dallas	2.90	2.05	2.80	1.55
San Francisco	1.50	1.20	1.50	1.20
Boston	2.75*(del)	1.75	2.75(del)	1.75
St. Paul (lime)	1.15T	1.15	1.25	1.45
Denver	....	1.60	1.60	1.40
Kansas City	1.90	1.70	2.00	1.70
Seattle	1.50	1.20	1.50	1.20
Atlanta	2.35*	3.36	2.45*	....
New Orleans	4.00	....	4.35	2.28
Los Angeles	1.20	1.50	1.20	1.60
Detroit	2.00	....	2.00	....
Baltimore	1.25	....	1.50	....
Montreal	2.00*	....	2.15*	....

*Per ton.TLimestone;traprock,$1.60 and $1.80 per ton for 1 1/2"&2/4in.

LIME-Warehouse prices:

	Hydrated per Ton		Lump per 200-Lb. Barrel	
	Finished	Common	Finished	Common
New York	$17.50	$14.50	$2.90*	$2.65*
Kansas City	21.00	21.00	2.30	2.20
Chicago	18.00	17.50	1.80	1.10
St. Louis	22.00	18.00	.....	2.00
Boston	22.00	18.25	3.70*	3.40*
Dallas	30.00	.....	2.75	.....
Cincinnati	15.70	11.95	10.70T	.....
San Francisco	30.00	.....	2.80K	2.00
St. Paul	23.00	20.00	1.80	1.50
New Orleans	.....	17.50	.....	2.20
Atlanta	.....	1.90 (bbl.)	1.80	1.95
Detroit	18.00	16.65	3.00*	3.00*
Seattle	30.00	.....	.....	2.80K
Los Angeles	.....	.....	3.05K	2.80K
Baltimore	19.25	16.75	.....	11.37T
Montreal	20.00	20.00	.....	15.00T
Denver	.....	26.25	.....	2.50

* 300-lb.barrels. KPer 180-lb.barrel. TPer ton.
NOTE-Refund of 10¢ per barrel.

NATURAL CEMENT-Price to dealers for 500 bbl.or over,f.o.b., exclusive of bags:

	Current	One Year Ago
St. Paul(Austin)	$1.50	$1.93
Kansas City(Ft.Scott)	1.40	1.70
New Orleans	2.52	....
Atlanta(Magnolin)	1.85	....
Cincinnati(Louisville)	1.35	1.80

PORTLAND CEMENT-Current prices are for barrels in carload lots, without bags, to contractors:

	Current	One Month Ago Without Bags	One Year Ago With Bags
New York	$2.80*	$2.30	$3.00
Jersey City	2.47	2.27	2.74
Boston	2.42	2.42	2.84
Chicago	2.00	2.00	2.45
Pittsburgh	2.05	2.05	2.45
Cleveland	2.32	2.32	2.74
Detroit	2.08	2.08	2.45
Indianapolis	2.27	2.27	2.74
Toledo	2.12	2.12	2.45
Milwaukee	2.11	2.11	2.45
Duluth	2.10	2.10	2.45
Peoria	2.12	2.12	2.45
Cedar Rapids	2.18	2.18	2.54
Davenport	2.14	2.14	2.54
St.Louis	2.20	2.20	2.57
San Francisco	2.43	2.43	2.86
New Orleans	2.36	2.36	2.77
St.Paul	2.22	2.20	2.40
Denver	2.67	2.67	2.97
Kansas City	2.26	2.26	2.80
Seattle	2.53	2.53	3.02
Dallas	2.03	2.03	2.90
Atlanta	2.50	2.50	....
Cincinnati	2.30	2.30	2.50
Los Angeles	2.78	2.78	3.38
Baltimore	2.30	....	....
Detroit	2.08	....	....
Montreal	2.70	....	....

NOTE-Bag charge is generally 15¢ each. *Delivered Manhattan, The Bronx or Brooklyn.

TRIANGLE MESH-Price per 100 sq.ft. in carload lots:

PLAIN 4-INCH x 4-INCH MESH

Style Number	Sectional Area Sq.Inches per Ft.	Width	Pitts burgh	New York	Chicago	St. Louis	Dallas	San Fran-cisco
033	0.033		$0.99	$1.16	$0.98	$0.99	$1.13	$1.32
049	0.049		1.18	1.48	1.26	1.26	1.43	1.67
068	0.068		1.44	1.86	1.53	1.56	1.79	2.06
093	0.093		1.85	2.39	1.97	2.00	2.41	2.66
128	0.126		2.28	3.02	2.43	2.47	2.92	3.06
153	0.153		2.72	3.59	2.90	2.95	3.48	3.93
180	0.180		3.12	4.13	3.33	3.39	3.99	....
245	0.245		4.12	5.44	4.40	4.47	5.27	....
287	0.287		4.76	6.29	5.08	5.16	6.10	6.86
336	0.336		5.52	7.30	5.89	5.99	7.06	....
395	0.395		6.40	8.45	6.83	6.94	8.19	....
				PAVING				
036P	0.036		$0.71	$0.92	$0.76	$1.77	$0.80	....
053P	0.053		1.00	1.28	1.06	1.08	1.12	....
072P	0.072		1.26	1.66	1.34	1.37	1.46	....
097P	0.097		1.62	2.12	1.73	1.76	1.88	....
049R	0.049		1.00	1.28	1.06	1.08	1.12	....
067R	0.067		1.26	1.65	1.34	1.37	1.46	....
089R	0.089		1.62	2.11	1.73	1.76	1.88	....

Made in 16,-20,-24,-28,-32,-36,-40,-44,-48,-52,-and 56-in. width in rolls. 150,-200,and 300-ft. lengths. Galvanized is about 10% higher.

EXPANDED METAL LATH-Prices in carload lots per 100 yd.for painted are as follows:

Gage	Weight	New York Current	New York One Year Ago	Chicago	St. Louis	San Francisco	Dallas
27	233	$29.10	$34.07	$29.00	$29.00	$34.00	$32.75
26	250	30.45	35.23	30.50	30.00	35.00	34.50
25	300	31.00	36.51	32.00	.....	37.00	36.75
24	340	33.50	37.73	33.00	33.00	40.25	39.75
22	450	36.60	40.48	.....	.....	.....	48.30

About 10% additional for smaller quantities.

BARS,CONCRETE REINFORCING-Following quotations are per 100 lb.:

ROLLED FROM BILLETS

Warehouse, Uncut

In.	Mill Pittsburgh	New York Current	New York One Year Ago	Chicago	St. Louis	Dallas	San Francisco
3/4 & larger	$2.35	$3.37	$4.17	$3.37	$3.68	*4.75	$4.60
5/8	2.40	3.42	4.23	3.42	3.74	4.80	4.65
1/2	2.45	3.47	4.27	3.47	3.79	4.95	4.70
3/8	2.60	3.62	4.42	3.62	4.04	5.00	4.85
1/4	2.65	3.67	4.47	4.18	5.05	5.10	

Twisted bars cut to length take extra of 27 1/2¢ per 100 lb. Extra on deformed bars, uncut 7 1/2¢.

BRICK-To contractors price per 1000 in cargo or carload lots is as follows:

	Common Current	One Month Ago	One Year Ago	Paving Brick	Block
New York	$16.00	$15.00	$14.00	No Quotations	
Chicago	12.00	12.00	11.00	.....	.....
St. Louis,selected	18.00*	18.00	18.00	$26.00	.....
St. Louis,salmon	12.00	10.00	12.00	.....	.....
Denver,salmon	14.00T	13.00	9.50	.....	38.00
Dallas	18.57	18.00	16.03	27.30	.....
San Francisco	12.50	12.50	12.00	.....	.....
Boston	18.00	18.00	16.25	30.00	48.00
New Orleans	19.00	17.50	15.98	19.00	.....
St.Paul	14.50	13.00	10.25	.....	43.00
Kansas City	16.00	15.00	13.00	42.50	.....
Seattle	15.00	15.00	15.00	.....	42.00
Cincinnati	17.00	16.00	16.50	.....	.....
Atlanta	16.00	15.00	.....	40.00	.....
Los Angeles	12.50	12.50	10.00	.....	.....
Montreal	21.00(del.)	15.00	.....	75.00T	.....
Detroit	17.25	19.00	.....	37.00	.....
Baltimore(del.)	18.00	18.00	.....	22.00	47.00

THard red is $18.in Denver.*Hard brick,$14. T not delivered.

HOLLOW TILE—Price per block in carload lots for hollow building tile:

	New York Current	New York One Year Ago	Chicago	St. Louis	San Francisco	Dallas	Factory Perth Amboy, N. J.
4x12x12	$0.11475*	$0.11925	$0.09	$0.08	$0.1125	$0.1088	.....
6x12x12	.153*	.159	.1268	.105	.15	.09	$0.1512
8x12x12	.204*	.....	.183	.15	.....	.1152	.1944
10x12x12	.....	.....	.19	.173	.....	.2546	.2268
12x12x12	.....	.....	.208	.208	.....	.3082	.2916

*Delivered below 72nd St.

	4x12x12	8x12x12	12x12x12
Boston	$0.15	$0.25	$0.35
St. Paul	.065	.135	.185
Cincinnati	.08	.15	.215
Kansas City	.0786	.15	.205
Denver	.1250	.18	.25
Seattle	.09	.175	.30
Atlanta	.0975	.17	.26
Los Angeles	.082	.154	.....
New Orleans	.165	.22	.325
Detroit	.088	.1674	.2399
Baltimore	.115	.21	.2875
Montreal	.19	.27	.34

STRUCTURAL MATERIAL—Following are base prices f.o.b. mill, Pittsburgh, together with quotations per 100 lb. from warehouses at places named:

	Mill Pittsburgh	New York Current	New York 1 Yr. Ago	St. Louis	Chicago	San Francisco	Dallas
Beams, 3 to 15 in.	$2.45	$3.47	$4.27	$3.54	$3.47	$4.45	$5.50
Channels, 3 to 15 in.	2.45	3.47	4.27	3.54	3.47	4.45	5.50
Angles, 3 to 6 in., ¼ in. thick	2.45	3.47	4.27	3.54	3.47	4.45	5.50
Tees, 3 in. and larger	2.45	3.52	4.27	3.54	3.47	4.45	5.50
Plates	2.66	3.67	4.52	3.54	3.67	4.90	5.75

RIVETS—The following quotations are per 100 lb.:

STRUCTURAL

	Warehouse: Mill Pittsburgh	New York Current	New York One Yr. Ago	Chicago	St. Louis	San Francisco	Dallas
½ in. and larger	$4.20	$4.72	$5.65	$4.72	$4.99	$6.15	$7.50

CONE HEAD BOILER

½ in. and larger	4.30	4.82	5.75	4.82	5.09	6.25	7.50
⅜ and 7/16	4.45	4.97	5.90	4.97	5.24	6.40	7.50
⅜ and ½	4.70	5.32	6.25	5.32	5.49	6.75	7.75

Lengths shorter than 1 in. take an extra of 50c. Lengths between 1 in. and 2 in. take an extra of 25c.

NAILS—The following quotations are per keg from warehouse:

	Mill Pittsburgh	St. Louis	Chicago	San Francisco	Dallas
Wire	$3.50	$3.90	$3.90	$5.25	$5.00
Cut	4.25	5.85	6.00	6.65	6.40

PREPARED ROOFINGS—Standard grade rubbered surface, complete with nails and cement, costs per square as follows in New York, St. Louis, Chicago and San Francisco:

	1-Ply c.l.	1-Ply l.c.l.	2-Ply c.l.	2-Ply l.c.l.	3-Ply c.l.	3-Ply l.c.
No. 1 grade	$1.50	$1.75	$1.90	$2.15	$2.30	$2.55
No. 2 grade	1.35	1.60	1.70	1.95	2.05	2.30

Asbestos asphalt-saturated Felt (14 lb. per square) costs $156 per ton.

Slate-surfaced roofing (red and green) in rolls of 108 sq.ft. costs $2.25 per roll carload lots and $2.50 for smaller quantities.

Shingles, red and green slate finish, cost $6.00 per square in carloads; $6.25 in smaller quantities, in Philadelphia.

ROOFING MATERIALS—Prices per ton f.o.b. New York and Chicago:

	Carload Lots N. Y.	Carload Lots Chicago	Less Than Carload Lots N. Y.	Less Than Carload Lots Chicago
Tar felt (14 lb. per square of 100 sq.ft.)	$70.00	$70.00	$71.00	$71.00
Tar pitch (in 400-lb. bbl.)	21.00	18.00	22.00	19.00
Asphalt pitch (in barrels)	34.00	34.00	37.50	37.50
Asphalt felt	68.00	48.00	72.50	72.50

SHEETS—Quotations are in cents per pound in various cities from warehouse also the base quotations from mill:

Blue Annealed	Large Mill Lots Pittsburgh	St. Louis	Chicago	San Francisco	New York Current	New York One Yr. Ago
No. 10	3.55	4.64	4.57	5.80	4.57	5.52
No. 12	3.60	4.69	4.62	5.75	4.62	5.57
No. 14	3.65	4.74	4.67	5.90	4.67	5.62
No. 16	3.75	4.84	4.77	6.00	4.77	5.72
Black						
*Nos. 18 and 20	4.15	5.24	5.42	6.75	5.30	6.32
*Nos. 22 and 24	4.20	5.29	5.47	6.80	5.35	6.37
*No. 26	4.25	5.34	5.52	6.95	5.40	6.42
*No. 28	4.35	5.69	5.62	7.05	5.50	6.52
Galvanized						
No. 10	4.70	5.79	5.97	....	6. 0	6.87
No. 12	4.80	5.89	6.07	7.30	6.25	6.92
No. 14	4.80	5.89	6.07	7.30	6.30	6.97
Nos. 18 and 20	5.20	6.19	6.37	7.60	6.60	7.27
Nos. 22 and 24	5.25	6.34	6.52	7.75	6.75	7.32
*No. 26	5.40	6.04	6.67	7.90	6.90	7.47
*No. 28	5.70	7.04	6.97	8.20	7.20	7.77

*For painted corrgated sheets add 30c. per 1000 lb. for 5 to 28 gage; 25c. for 19-24 gages; for galvanized corrugated sheets add 15c., all gages.

LINSEED OIL—These prices are per gallon:

	New York Current	New York One Year Ago	Chicago Current	Chicago One Year Ago
Raw in barrel (5 bbl.)	$1.75	$1.67	$1.92	$1.65
5-gal. cans	1.90	1.76	2.07	1.05

WHITE AND RED LEAD—Base price per pound:

	Red Current Dry	Red Current In Oil	Red 1 Year Ago Dry	Red 1 Year Ago In Oil	White Current Dry and In Oil	White 1 Yr. Ago Dry and In Oil
100-lb. keg	13.00	14.50	14.00	14.50	13.00	14.00
25 and 50-lb. kegs	13.25	14.75	14.25	14.75	13.25	14.25
12½-lb. keg	13.50	15.00	14.50	15.00	13.50	14.50
5-lb. cans	15.00	16.50	16.00	16.50	15.00	16.00
1-lb. cans	16.00	17.50	17.00	17.50	16.00	17.00

500 lb. lots less 10% discount; 2000 lb. lots less 10-2½% discount.

LUMBER

San Francisco—Prices of rough Douglas fir No. 1 common, in more than carload lots:

	Lumber Prices in Yards at San Francisco: 6-8-12 and 14 Ft.	10-16-18 and 20 Ft.	22 and 24	25 to 32 Ft.
3x3 and 4	$31.50	$32.00	$33.00	$35.00
3x6 and 8	32.50	33.00	34.00	36.00
4x4-6 and 8	33.00	34.00	35.00	37.00
3x10 and 12	33.00	34.00	35.00	37.00
3x14	33.50	34.00	35.50	37.00
4x10 and 12	33.00	34.00	35.00	37.00
4x14	34.00	35.00	36.00	38.00

	24 Ft. and Under	24 to 32 Ft.	33 to 40 Ft
6x10	$32.50	$34.50	$35.50
6x14	34.00	36.00	37.00
8x10	32.50	34.50	35.50
8x13	34.00	36.00	.....

New York, Chicago and St. Louis

	Southern Pine New York* 20 Ft. and Under	Southern Pine New York* 22-24 Ft.	Southern Pine Chicago 20 Ft. and Under	Southern Pine Chicago 22-24 Ft.	Yellow Pine St. Louis 20 Ft and Under	Yellow Pine St. Louis 22-24 Ft
3x 4 to 8x 8	$48.00	$49.00	$50.00	$51.00	$44.00	$45.00
3x10 to 10x10	51.00	51.00	54.00	55.00	48.00	49.00
3x12 to 12x12	56.00	57.00	56.00	57.00	52.00	53.00
3x14 to 14x14	61.00	61.00	61.00	62.00	57.00	58.00
3x16 to 16x16	71.00	71.00	64.00	65.00	63.00	64.50
3x18 to 18x18	77.00	77.00	68.00	69.00	68.00	69.00
4x20 to 20x20	89.00	90.00	.....	.....	.....	.....

* Prices from Lumbermen's Bureau.

Over 24 ft.—Add $1 for each additional 2 ft. in length up to 40 ft. for sizes 12 x 12 and under; for sizes over 12 x12 add $2. For merchantable add $2 to sizes 10x 10 and under. For prime add $2 to the price of merchantable for all sizes.

Other Cities

	8 x 8-In. x 20-Ft. and Under: P.	Fir	Hemlock	Spruce	12 x 12-In. 20 Ft. and Under: P.	Fir
Boston	$50.00	$50.00	$49.00	$49.00	$50.00	$50.00
Kansas City	51.00	51.25	51.25	.....	57.00	48.25
Seattle	.....	30.00	.....	.....	.....	31.00
New Orleans	45.00	.....	.....	.....	48.00	.....
St. Paul	60.00	59.00	59.00	46.00	42.00	56.00
Atlanta	58.00	60.00	61.00	72.00	72.50	74.50
Baltimore	46.00	.....	.....	.....	60.00	.....
Cincinnati	45.00	45.00	42.00	42.00	48.00	48.00
Montreal	59.00	70.00	65.00	59.00	59.00	59.00
Los Angeles	.....	50.00	.....	.....	.....	52.00
Denver	.....	40.00	.....	.....	.....	40.00

	1-In. Rough, 10 In. x 16 Ft. and Under: P.	Fir	Hemlock	2-In. T. and Gr. 10 In. x 16 Ft.: P.	Fir
Boston	$50.00	$50.00	$48.00	$50.00	$50.00
Kansas City	84.50	74.25	74.25	87.25	77.25
Seattle	.....	31.50	.....	.....	31.50
New Orleans	54.00	.....	.....	55.25	.....
St. Paul	53.00	53.00	53.00	63.00	57.50
Atlanta	80.00	85.00	.....	67.50	70.00
Baltimore	40–42.00	.....	.....	38–40.00	.....
Cincinnati	45.00	43.00	42.00	45.00	45.00
Montreal	60.00	60.00	50.00	65.00	65.00
Los Angeles	.....	49.00	.....	.....	.....
Denver	.....	43.00	43.00	.....	42.00

‡ Also tamarac.

Dallas—Yellow pine. Price per M:

2x4 to 2x12—12, 14 and 16	$57.50
2x4 to 2x12—10, 18 and 20	60.00
2x4 to 2x12—22 and 24	62.50
4x4, 4x6, 6x6, 8x8 and 3x8	61.25
8x00, 10x00 and 3x10	62.50
12x12 and 3x12	67.50

FREIGHT RATES

On finished steel products in the Pittsburgh district, including plates, structural shapes, merchant steel, bars, pipe fittings, plain and galvanized wire nails, rivets, spikes, bolts, flat sheets (except planished), chains, etc., the following freight rates are effective in cents per 100 lb.:

Boston	$0.30	New Orleans	$0.38½
Buffalo	.17	New York	.27
Chicago	.27	Pacific Coast (all rail)	1.25*
Cincinnati	.23	Philadelphia	.24½
Cleveland	.17	St. Louis	.24
Denver	.99	St. Paul	.49½
Kansas City	.59	Detroit	.33
		Baltimore	.33

Note—Add 3% transportation tax. * Minimum carload, 80,000 lb.

Contractors' Supplies

STEEL SHEET PILING—The following price is base per 100 lb. f. o. b. Pittsburgh, with a comparison of a month and a year ago:

Current	One Month Ago	One Year Ago
$2.55	$2.55	$4

WIRE ROPE—Discounts from list price on regular grades of bright and galvanized are as follows:

	New York and St. Louis
Hercules red strand, all constructions	20%
Patent flattened strand special and cast steel	20%
Patent flattened strand, iron rope	5%
Plow steel round strand rope	35%
Special steel round strand rope	30%
Cast steel round strand rope	22½%
Iron strand and iron tiller	5%
Galvanized iron rigging and guy rope	+12%

San Francisco: Galvanized, less 5%, bright, less 25%.
Chicago, +5 on galvanized, 30-2½ off on bright.

MANILA ROPE—For rope smaller than ¾-in. the price is ½ to 2c. extra; while for quantities amounting to less than 600 ft. there is an extra charge of 1c. The number of feet per pound for the various sizes is as follows: ¼-in., 8 ft., ½-in., 6; ¾-in., 4½; 1-in., 3½; 1¼-in., 2 ft. 10 in.; 1½-in., 2 ft. 4 in. Following is price per pound for ¾-in. and larger, in 1200-ft. coils:

Boston	$0 27½	Kansas City	$0.27
New York	.27	New Orleans	.25½
Chicago	.26½	Los Angeles	.28
St. Paul	.26	Seattle	.25
San Francisco	.24	St. Louis	.26½
Atlanta	.29½	Montreal	.32
Denver	.29½	Detroit	.28
Cincinnati	.29	Baltimore	.25

EXPLOSIVES—Price per pound of dynamite in small lots and per 25-lb. keg for black powder.

	Low Freezing 20%	Gelatin 40%	Gelatin 60%	80%	Black Powder
New York		$0.27	$0.30		$2 40
Boston	$.2225	.2425	.2675	$ .3750	2 20
Kansas City	.19	.2375	.2625	.30	2 25
New Orleans	.2375*	.2275	.2475		
Seattle	.1425	.185	.21	.315	1 90
Chicago	.1875	.2125	.2550	.2975	2 15
St. Paul	.19	.2375	.2625		2 45
St. Louis	.19	.2325	.2375	.300	2 40
Denver	.1775	.22	.245	.2875	2 25
Dallas			.288	.342	2 75
Los Angeles	.21	.26	.30	2 75	
Atlanta	.20	.225	.245		2 45
Baltimore	.19	.23½	.28¾	.30	2 35
Cincinnati	.1875	.2125	.2325		2 35
Montreal	.28	.31	.34	.39	3 10

* For 50%.

POLES—For plain pine poles, delivered New York, the price is as follows:

10-in. butts, 5-in. tops, length 20-30 ft.	$9 00
12-in. butts, 6-in. tops, length 30-40 ft.	11 50
12-in. butts, 6-in. tops, length 41-50 ft.	12 50
14-in. butts, 6-in. tops, length 51-60 ft.	21 00
14-in. butts, 6-in. tops, length 61-71 ft.	23 50

Note—At the present time it is almost impossible to give accurate prices on poles. The above are only nominal.

	Dallas Aug. 1, 1919
6-in. x 20-ft.	$4 60
6-in. x 30-ft.	7 10
8-in. x 30-ft.	8 45
8-in. x 35-ft.	10 38

OLD MATERIAL—The prices following are per gross ton paid to dealers and producers in New York. In Chicago and St. Louis the quotations are per net ton and cover delivery at the buyer's works, including freight transfer charges.

	New York	Chicago	St. Louis
No. 1 railroad wrought	$24.00	$21.00	$21.50
Stove plate	17.50	22.00	22.50
No. 1 machinery cast	25.50	24.00	22.00
Machine shop turnings	12.00	10.00	12.50
Cast borings	14.00	12.50	12.50
Railroad malleable cast	16.50	20.75	19.00

SHIP SPIKES—Current prices per 100 lb.

	San Francisco		Seattle
In.	Galv.	Black	Black
¼	$9.20	$8.50	$8.55
⅜	8.75	6.75	8.25
½	8.60	6.60	8.30

Pittsburgh base, $3.85 to $4 per 100 lb.

LABOR RATES AND CONDITIONS

S means scarce; E, enough; P, plentiful

Cities	Bricklayers	Carpenters	Hoisting Engineers	Hod Carriers	Pile Drivers	Structural Iron Workers	Common Labor	Remarks
Atlanta	$0.90S	$0.70-80	$0.50-60	$0.45	$0.60	$0.75-80	$0.35	Atlanta—Some bricklayers are receiving $1.10 to $1.25 an hour. Some shortage of skilled labor. No strikes.
Baltimore	1.00-1.25E	.70-87½P	1.00E	.50-.60E	.72½S	1.00E	.35-.43S	Baltimore—Structural iron workers are asking $1.
Boston	.90-.92S	.85-.92½S	.90-1.00P	.60-.70S	80-90P	1.00P	.52½-.62½E	Boston—Common labor, first-class diggers, etc., rather scarce; condition not likely to last, being result of usual autumn rush.
Cincinnati	.....	.....	.70	.....	.50	.....	.....	
Dallas	1.00E	.87½S	.87½E	.37½-.40S	.....	.75S	.35S	
Denver	1.00E	1.00E	.87½E	.69 (Str.)	.....	.87½	.50P	Denver—City pays $3.50 for common.
Detroit	1.00S	.80P	.90P	.60S	.90	.85-.90	.55S	
Kansas City	1.00	.85	.90	.68¾	.77½	.90	.57½	
Los Angeles	.87½E	.75E	.75P	.56-.75S	.75P	.75P	.50-.62½E	Los Angeles—No general strikes
Montreal	.75P	.70S	.60S	.50S	.55P	.50-.55S	.40-.50S	Montreal—Bricklayers only trade not officially on strike. Good labor scarce account of exodus of foreigners, who comprise 75 per cent. of Canadian labor.
New Orleans	.87½S	.75	1.00	.60	.80-1.00	.75	.30-.35	
New York	.87½	.81½	.87½	.57½	.81½	.87½	.56½	
Pittsburgh	1.00	.90	.90	.60	.60	1.00	.40-.45S	Pittsburgh—No strikes.
St. Louis	1.00	.87½	1.00-1.12½	.70	.80-.92½	.90	.40-.50	St. Louis—Skilled labor, 50c. to 75c. Building laborers 50c. Bricklayers on sewers, 1.25.
St. Paul	.87½	.75	.80	.50	.80	.85	.47½	St. Paul—On Aug. 12, bricklayers asked for $1, ignoring agreement to work until May 1, 1920, at 87½c. Sewer diggers, 50c. an hour; paving-block layers, 50c.; teams, 90c.
San Francisco	1.25E	1.00E	1.00E	.87½E	1.00E	1.00E	.45-.50E	San Francisco—All lines busy. No strikes.
Seattle	1.12	.93¾	.94	.75-.80	.90	1.00	.75S	Seattle—Considerable residence construction; building construction improved over last month. Street and road work booming. Labor situation easier, although there is a shortage in skilled labor.

PROPOSALS

"For Proposals Advertised see the pages immediately following the Construction News Section."

Waterworks

PROPOSED WORK

N. C., Asheville—City having plans prepared by B. M. Lee, engr., building concrete dam, settling basins at intake, reservoir, 10,000,000 gal. capacity and 9¾ mi. gravity line, involving 50,000 ft. 16 in. ci. pipe, 3000 cu. yd. rein.-con. 78,000 cu. yd. earth and 38,000 cu. yd. rock excav. About $500,000.

S. C., Arcadia—City plans to build 2 mi. water and sewerage system. J. E. Sinnie, Greenville, engr.

O., Columbus—City voted $3,000,000 bonds to extend waterworks system. J. H. Gregory, engr. Noted Aug. 21.

O., Wellington—Village receives bids about Dec. 1, building 5 mi. c. i. water mains. Bonds for $25,000 voted for project. G. E. Gadfield, Wellington, engr.

Mich., Ferndale—Village having plans prepared by G. Jerome, engr., 1323 Majestic Bldg., Detroit, for watermain extensions in vicinity Woodward Ave. and Nine Mile Rd., to include furnishing and laying 6-8 in. mains with valves, valve boxes and hydrants. About $70,000.

Neb., Norfolk—City soon lets contract building extension to waterworks in Dists. 37 to 47. Work involves 7748 ft. 4 in. and 1820 ft. 6 in. c. i. pipe. About $17,470. H. H. Tracy, Norfolk, engr.

Mo., Kirksville—City having plans prepared improving water works system, to include installation of one 100 h. p. water tube boiler, two 100 h. p. oil engines, two 600 gal. per minute centrifugal pumps, etc. About $30,000. W. B. Rollins & Co., Ry. Exch. Bldg., Kansas City, engrs. Noted Sept. 18.

Mo., Washington—City plans to improve waterworks system, including deep well pump, etc. About $5,000.

Okla., Nowata—City election Dec. 1, to vote on $200,000 bonds to improve waterworks and electric light plant. Burns & McDonnell, Interstate Bldg., Kansas City, Mo., engrs. Noted Sept. 11.

Okla., Perry—City soon lets contract improving waterworks and electric light systems, to include building dam, involving 115 cu. yd. rein.-con., 2,740 cu. yd. concrete and 2,697 earth excav. Alternate bids on hydrants, valves, engines, generators, 4 panel switch board, etc. Black & Veatch, Interstate Bldg., Kansas City, Mo., engrs. Noted Aug. 28.

Wash., Seattle—City plans to replace wooden water mains with iron mains in Ballard Dist., as follows: West 60th St., et al. cost $165,000; West 61st St., et al, $150,000; West 45th St., et al, $161,000. A. H. Dimock, city engr.

Wash., Selah—Town plans to build waterworks system, to include concrete reservoir and wood or c. i. water mains and laterals. About $10,000. N. A. Gilman, Yakima, engr.

Ore., Baker—City having preliminary plans prepared building concrete reservoir and wood or c. i. pipe line system for taking water from Sam-O Springs to new natatorium. About $5,000. W. W. Gardner, mayor.

Ore., Baker—Loner Powder River Irrigation Co. plans to build concrete reservoirs at Balm Creek, 22,000 acre-ft.; Thief Valley, 120,000 acre-ft. and at West Eagle Creek, 19,000 acre-ft. Cost to exceed $50,000. P. E. Cupper, Salem, engr.

Ore., Heppner—City voted $100,000 bonds to build gravity water system to run from head waters of Willow Creek to city.

Ore., Monmouth—City voted $60,000 bonds to build gravity water system to include 10 mi. pipe line from Teal Creek to city.

BIDS DESIRED

O., Euclid—Until Dec. 8, by city, building 6 and 8 in. c. i. water mains in Brewer, Pond and Fuller Aves. and Cut Rd. from Lake Shore Blvd. to village limits. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

PRICES AND CONTRACTS AWARDED

(*Indicates award of contract)

***N. Y., Marcy**—State Hospital Comn., Capitol, Albany, let contract to Scott Bros., Arlington Blk., Rome, $158,914, building concrete dam, gate house, reservoir and appurtenances for Marcy Div. of Utica State Hospital, here. Work involves 30,000 cu. yd. grubbing, 8,100 cu. yd. excav., 11,500 cu. yd. concrete, 9,000 lb. structural steel and 2,200 lb. metal reinforcement. Noted Sept. 11.

***Ia., Mitchellville**—City let contract improving waterworks system, to include pumping station, power transmission line and wells, involving 10,200 ft. 6 in. c. i. pipe, to Pittsburgh-Des Moines Steel Co., 9th and Tuttle Sts., Des Moines. About $26,000.

***Ia., Toledo**—City let contract building 100,000 gal., elevated steel tank and tower and extensions to distribution system, involving 15,000 ft. 4-8 in. c. i. pipe, to Pittsburgh-Des Moines Steel Co., 9th and Tuttle Sts., Des Moines. About $42,000.

***Kan., Osawatomie**—State Bd. Administration, Topeka, let contract building ¾ mi. extension to water and sewerage systems, in State Hospital grounds, to C. F. Gustafson & Co., 116 West 6th St., Topeka, $11,200 and $9,273 respectively.

***Mo., Kirksville**—City let contracts improving waterworks system, involving installation of (1) one 100 h. p. water tube boiler, (2) 2 Gould centrifugal pumps, 600 gal. per min., (3) 2 Muncie oil engines, 100 h. p., to Heine Safety Boiler Co., 5319 Marcus St., St. Louis, (1) $4,980, Challenge Co., St. Louis, (2) and (3) $3,135 and $14,345 respectively. Noted Sept. 18.

Sewers

PROPOSED WORK

Mass., Woburn—Buckman Tanning Co. having preliminary plans prepared by Vaugh & Meyer, engrs., Security Bldg., Milwaukee, Wis., for rein.-con. sewage disposal tank and reclamation of tannery sludge. About $15,000.

N. C., Forrest City—City plans to install sewerage system. About $25,000. J. B. Mc Crary Co., Atlanta, Ga., engrs.

N. C., Wadesboro City—City plans to install sewerage system. About $35,000. Blair & Drane, Charlotte, engrs.

O., Cleveland—C. A. Selzer, The Arcade, receives bids about Dec. 1, building 2,000 ft. 48 in. segmental block sewer, 3 mi. 6-8 in. water mains, 8 manholes, etc., in Garfield Allotment. E. P. Wight, 567 Rose Bldg., engr.

O., East Cleveland (Cleveland P. O.)—City receives bids about Dec. 10, building sewer in Graydon Rd., involving 3,280 ft. 8-18 in. vitr. pipe, 7 brick manholes and 6 catch basins. H. W. Garnett, city engr.

Mich., Detroit—Dept. Pub. Wks. soon lets contract building Lateral Sewers Nos. 3,209, between Prairie, Livernois, Alaska and Van Buren Aves., involving 4,255 ft., 12-24 in. pipe, 3,165 between Dexter Blvd., Lawton Ave., Chicago and Boston Blvds., 3,012 ft. 12-18 in. pipe, 3,199 between Van Dyke, Erwin, Marion and Badger Aves., 1,537 ft. 12-18 in. pipe, 3,194 between Var Dyke, Edwin, Marion and Marcue Aves., 1,546 ft. 12-18 in pipe, 3240 between Watson St. from Woodward Ave. easterly, 203 ft. 12-15 in. pipe, 3,230 between Brooklyn, Greenwood, Ferry and Hudson Aves., 543 ft. 15-18 in. pipe, 3,235 between Detroit Terminal R. R., Turin, Elmhurst and Fullerton Aves., 4,017 ft. 12-18 in. pipe, 3,231 in alley south of Harper Ave. from Berwick Ave. west, 132 ft. 12 in. pipe, 3,218 in Hancock St., Vinewood Ave. westerly, 203 ft. 12-15 in. pipe, 3,237 between Erwin, Fisher, Georgia and Marcus Aves., 1,701 ft. 12-24 in. pipe, 3,227 beween Chalmers, Philip and Mack Aves., 6,443 ft. 10-12 in. pipe, 3,208 between Prairie, Livernois, Van Buren and Boneparte Aves., 4,255 ft. 12-18 in. pipe. C. W. Hubbell, city engr.

Minn., St. Paul—H. W. Austin, city purch. agt., soon lets contract building sewers in Bway. between 4th St. and Mississippi River, and Carlton St. from Page St. to point 160 ft. south. About $74,496.

Neb., Crete—City plans to build storm sewers in various streets. About $73,000. Engineer not selected.

N. D., Minot—City having plans prepared by F. H. Bass, engr., 515 South East 6th Sts., Minneapolis, for sewerage system and sewage disposal plant. About $285,000. Noted Sept. 4.

Ore., Bend—City voted $133,000 bonds to build sewerage system, cement or vitr. pipe. R. B. Gould, city engr.

Ore., The Dalles—City rejected bids building storm sewerage system in Uglow Ave. and Birch St., About $10,000. Work will be readvertised. P. W. Warx, city engr.

BIDS DESIRED.

Ia., Osage—Until Dec. 2 by City Clerk, building 76,020 lin. ft. 8-15 in. sewers, involving 11,879 cu. yd. rock excav. About $200,000. C. L. Pillsbury Co., Metropolitan Bank Bldg., Minneapolis, engrs.

PRICES AND CONTRACTS AWARDED

(*Indicates award of contract)

***N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro., let contract laying sewers and appurtenances in Linden St., to Booth & Flynn, Ltd., 17 Battery Pl., New York City, $89,500; Dumont Ave., to P. J. Donlan Contg. Co., 82 South 3rd St., Brooklyn, $460,664; Junction Ave., to C. Petracca, 175 Spencer St., Brooklyn, $2,692; Ashland St., to J. H. Johnson Contg. Co., $5,271.

O., East Cleveland (Cleveland, P. O.)—City received lowest bid Nov. 12, building 3,048 ft. 8-18 in. vitr. pipe sewer in Nela Court and Greyton Rd., from Curro Bros., 1977 East 26th St., Cleveland, cost $5,230; building 1,000 ft. 6 in. c. i. water main, etc. in East 133rd St., front E. Hakin & Co., 2617 Carnegie Ave., $2,910. Noted Nov. 6.

Mich., Detroit—City received bids furnishing labor and material building latera sewers, vitr. crock with brick manholes (a) No. 3181 involving 3514 ft. 12-24 in. pipe (b) No. 3200, 3820 ft. 10 in. pipe, (c) No 3205, 13,593 10-24 in. pipe, (d) No. 3233 3129 ft., 12-18 in. pipe, (e) No. 3192, 8471 ft. 10-12 in. pipe, (f) No. 3232, 2294 ft., 12-24 in. pipe, from Wenzel Constr. Co., 54 Buhl Blk, (a) $9,755, (b) $6,730, (c) $34,364, (e) $17,185, (f) $8,012; Western Constr. Co., 1208 Ford Bldg. (a) $13,873, (b) $7,807; (c) $34,419; (f) $9,640; Liberty Constr. Co., Penobscot Bldg., (a) $15,850; (c) $34,625; (e) $21,830; Lennane & McIlvenna, 1205 Book Bldg., (b) $6,685; (d) $12,074; N. Macini, 256 Hague Ave., (d) $9,555; J. A. Mercier, 216 Hammond Bldg., (e) $23,900.

Mich., Detroit—Dept. Pub. Wks. received bids building Raymond Ave. sewer, involving 2312 ft. 3 ft. x 4 ft. 6 in. and 3 ft. 4 in. x 5 ft. pipe, from R. D. Baker, 485 Elmherst Ave., $47,500, C. A. Handyside, 833 Lathrop Ave., $49,246, W. E. Lennane, Jr., Union Trust Bldg., $51,850; Dexter Blvd. sewer extension, involving 1525 ft., 3 ft. 6 in. and 4 ft. pipe, from Lennane & McIlvenne, 1205 Book Bldg., $14,995. Jeynes & Affeld, 1208 Ford Bldg., $18,114, Wenzell Constr. Co., 54 Buhl Blk., $18,637.

***Wis., Milwaukee**—Sewerage Comn. let contract building 280 ft. rein.-con. syphon, 7 ft. diameter, and 2 shafts, in Muskego Ave., under Menomonee Canal, to Greene & Sons Co., 332 South Michigan Ave., Chicago, Ill., $116,870. Noted Oct. 16.

***Ia., Pocahontas**—City let contract building 1¼ mi. sewers in various streets, to Turner Impvt. Co., 309 Youngerman Bldg., Des Moines, $109,612; sewage disposal plant, to B. D. Viegel, Webster City, $21,900. Noted Aug. 21.

***Neb., Scribner**—City let contract building ½ mi. vitr. sewers in various streets, to A. A. Dobson, 3140 Sheridan Blvd., Lincoln, $40,724.

Ore., Portland—City Council received bids building cement sewer including catchbasins, manholes, lampholes, sewer service nad branch lines, in East 65th and Stanton Sts., from Jacobsen-Jensen Co., 407 Stanton St., $64,967; 56th St. from point 110 ft. south of East Glisan St., to East Davis St., from J. Keating, cement pipe, $2,011; Azar & Co., cement pipe, $2,394; Mehemarie & Co., vitr. pipe, $2,270.

Bridges

PROPOSED WORK

Del., Wilmington—F. W. Carpenter, engr., Memorial Bridge Comn., soon receives bids building concrete arch bridge over Brandywine Creek, on Washington St., 30 ft. wide for State. About $500,000. B. H. Davis, 17 Battery Pl., New York City, engr.

S. C., Gaffney—Cherokee Co. soon lets contract building one 50 ft. rein.-con. span over Little Thickety Creek, 2 reinforced abutments. Work involves 378 cu. yd. dry and 170 cu. yd. wet excav., 550.8 cu. yd. concrete and 37,535 lb. deformed steel. About $24,000. State Highway Dept., Columbia, engrs.

O. Eaton—Preble Co. plans to build three 22-45 ft., rein.-con. or steel bridges, over Seven Mile, Four Mile and Twin Creeks. About $22,000. J. Ryder, co. surv.

Mo., Jefferson City—Osage Co. (Linn) and Cole Co. (Jefferson City), care State Highway Dept., Jefferson City, plans to build 811 ft. bridge, 18 ft. roadway, over Osage River, at Hubers Ferry, involving manufacture and delivery of (1) 78,000 lb. structural steel, (2) 11,000 lb. main sheaves, shafts and bearings, 1000 lb. equalizers and pins, 6,000 lb. operating machinery, (3) 2000 lb. wire ropes and sockets, (4) one 90 ft. vertical lift steel deck girder span, six 92 ft. rein.-con. arch spans, 156 ft. rein.-con. girder spans, 1220 cu. yd. plain and 2247 cu. yd. rein.-con., 165.5 tons steel, 1360 sq. yd. 2 in. concrete wearing surface, 7300 lin. ft. wooden pilirg, 320 cu. yd. excav., 1580 lin. ft. hand railing with reinforcing, 10,000 board ft. creosoted timber and 165 sq. yd. 3½ in. creosoted wood block paving. About $105,000.

Ore., Vale—Malheur Co. and State Highway Comn., Portland, having preliminary plans prepared by H. Nunn, state highway engr., Salem, building bridge over Malheur River. About $30,000.

BIDS DESIRED.

Minn., Duluth—Until Dec. 4, by W. H. Bergen, Aud., St. Louis Co., building 4 steel

Bridges (Continued)

and 7 concrete bridges, 12 to 250 ft. long, 18 ft. wide with curbs, on State Rd. No. 1, 5th and 6th Dists. About $50,000. R. W. Acton, co. engr.

Kan., Abilene—Until Dec. 1, by Comrs. Dickinson Co., building bridges on Sect. B, Golden Belt Rd., Federal Aid Project No. 32, to include three 24 ft. spans, with 24 ft. roadway and one 40 ft. span "T" girder, with 20 ft. roadway, involving 340 cu. yd. concrete and 21,994 lb. reinforcing steel, cost $10,000; Bee Line Rd., Sect. G, Federal Aid Project No. 29, to include 20 ft. span, with 18 ft. roadway, involving 159 cu. yd. concrete and 4818 lb. reinforcing steel. K. Riddle, Abilene, engr.

Kan., Beloit—Until Dec. 5, by Comrs. Mitchell Co., building 40 ft. "T" girder bridge, 20 ft. wide, on Sect. 10, Federal Aid Project No. 1. About $10,000. F. A. Slack, Beloit, engr.

Kan., Ft. Scott—Until Dec. 15, by Clerk Bourbon Co., building bridges, culverts and farm entrance culverts on Miles Nos. 3, 4, 5, 6, 7 and 8, of Azua-Devon Rd., Benefit Dist. Project. Work involves 390 cu. yd. class A and 132 cu. yd. class C concrete, 28,027 lb. reinforcing steel, and 288 ft. 15-24 in. rein.-con. pipe. Bids will also be received for 1 double 16 ft. concrete slab bridge, Franklin Twp., one 6 x 6 ft. stone arch culvert, Osage Twp. and 11.58 cu. yd. earth and rock fill over Williams arch culvert, Pawnee Twp.

Kan., Wellington—Until Dec. 3, by J. H. Large, clk. Sumner Co., building bridge on Meridian Highway Rd., Sect. C, Federal Aid Project No. 35, to have two 50 ft. spans, with 18 ft. roadway. Work involves 443 cu. yd. concrete, 49,835 lb. reinforcing steel and 1820 lb. structural steel.

PRICES AND CONTRACTS AWARDED

(*Indicates award of contract)

***Ia., Adel**—Dallas Co. let contract lowering two 100 ft. steel span bridge, 18 ft. wide, and building two new 30 ft. I beam approaches, to N. M. Stark & Co., 13th and Mulberry Sts., Des Moines. About $14,900. Work includes 316 cu. yd. rein.-con., 4 tons rein.-con. bars, 14 tons structural steel and 1440 lin. ft. wooden piling.

***Ia., Adel**—Dallas Co. let contract building 100 ft. steel truss bridge, 18 ft. wide, rein.-con. abutments and flooring, to Pittsburg Des Moines Steel Co., 9th and Tuttle Sts., Des Moines, $11,759. Work involves 174 cu. yd. rein.-con., 5 tons rein.-con. bars, 4 tons structural steel and 1088 lin. ft. wooden piling.

Streets and Roads

PROPOSED WORK.

Massachusetts—State Highway Comn., Boston, soon lets contract building 34,000 ft. road, 18 ft. wide, Greenfield Twp., involving 55,000 sq. yd. bituminous concrete, 14,900 ft. road 18 ft. wide, Lunenberg Twp., 33,000 sq. yd. bituminous concrete. A. W. Dean, state highway engr.

N. J., May's Landing—Bd. Freeholders of Atlantic Co. plans to improve 12 mi. State Highway Rd. between Absecon and Mullica River. About $500,000. J. B. Tomlin, chn. A. H. Nelson, Guarantee Trust Bldg., engr.

W. Va., Clay—Comrs. Clay Co. plan to grade 4 mi. Hartland Lick Branch Rd. About $26,000. J. S. Chase, Co. engr.

W. Va., Kingwood—Comrs. Preston Co. plan to improve 3½ mi. Morgantown-Kingwood Rd., involving 33,000 sq. yd. bituminous macadam penetration method and 12,000 cu. yd. excav. About $64,000. .H E. Wilhelm, Kingwood, engr.

W. Va., Moundsville—Marshall Co. Meade and Cameron Dists. voted $385,000 bonds to improve roads. R. C. Yoho, Co. engr.

S. C., Chester—City soon lets contract paving, draining and curbing 70,000 sq. yd. various streets. About $200,000. H. S. Jandon Eng. Co., Elherlon, Ga., engrs.

S. C., Rock Hill—City receives bids in December for 150,000 sq. yd. sheet asphalt pavement. Bonds for $350,000 voted for project. G. White, Durham, N. C., engr.

Fla., Palmetto—City having plans prepared paving, curbing, guttering and draining 20,000 sq. yd. various streets. About $75,000.

O., Cleveland—Cuyahoga Co. soon lets contract grading, draining and paving Stumph Rd. from Brookpark to Huffman Rds., involving 16,000 sq.yd. waterbound macadam, 1500 lin. ft. 4 in. vitr. tile gutter and 8000 cu. yd. earth excav. About $44,157. W. A. Stinchcomb, co. engr.

O., Dayton—Montgomery Co., soon lets contract paving 1480 ft. Springfield St. from corporation line to Hydraulic Ave., 40 ft. wide, cost $70,000; 1708 ft. West 3rd St. from Baker St. to corporation line, 36 ft. wide, $95,000; both brick paving on concrete base, concrete curb and gutter. P. S. Bookwalter, co. surv. Noted June 12.

Michigan—State Highway Dept., Lansing, soon lets contract shaping, grading and draining 7.12 mi. Sect. A, Federal Aid Rd. No. 35. Sylvan Twp., Washtenaw Co.

Mich., Detroit—City soon lets contract laying 60,000 sq. ft. sidewalk, Houseman-Spitzley Subdivision. About $10,000. C. W. Hubbell, city engr.

Mich., Gladwin—Gladwin Co. and State Highway Dept., Lansing, soon let contract shaping, draining, surfacing and graveling 6.443 mi. State Trunk Line Rd., 16 ft. wide, Tobacco Twp. About $70,000.

Mich., Standish—Arenac Co. and State Highway Dept., Lansing, soon let contract shaping, draining and surfacing 8.068 mi. road, 16 ft. wide. Arenac to Turner Twps.

Ill., Chicago—Cook Co. voted $5,000,000 bonds to hard surface roads.

Wis., Grand Rapids—Wood Co. having plans prepared for 25-27 mi. plain concrete pavement, 16 ft. wide, involving 19,000-20,000 cu. yd. sand and 38,000-40,000 cu. yd. crushed stone. L. Amundson, co. comr.

Minn., Bemidji—Beltrami Co. received no bids grading and graveling 25 mi. Cass Lake-Bemidji-Solway Highway, 24 ft. wide. About $165,000. S. D. Snyder, Bemidji, engr. Work may be readvertised in spring.

Neb., David City—City soon lets contract paving Dists. No. 3 to 8 inclusive, involving 36,756 sq. yd. vertical fibre, asphalt, concrete or bituminous concrete, on 5 in. concrete base, 29,790 lin. ft. concerte and curbing, guttering, and 6830 cu. yd. earth excav. About $189,000. Grant, Fulton & Letton, 595 Bankers Life Bldg., Lincoln, engrs. Noted Aug. 7.

Mo., Mt. Vernon—Lawrence Co. plans to build 22 mi. gravel road from Jasper to Green County lines, through here, 16 ft. wide. About $83,000.

Mo., St. Joseph—Buchanan Co. having preliminary plans prepared building 6.5 mi. Agency Rd. from Saxton to Agency, 18 ft. wide, 6 in. concrete on macadam base. About $195,000. J. D. Mohler, 1522 South 25th St., engr.

Mo., St. Louis—Bd. Pub. Serv. plans to widen following streets, from 60 to 100 ft.: Gravois Ave., between Calhoun St. and Grand Ave., also establish 100 ft. building line between Park Ave. and Calhoun St., cost $1,200,000; 7.75 mi. Natural Bridge Rd. and Palm St., $750,000; 1.5 mi. Olive St. between 12th St. and Channing Ave., $2,000,000; 75 mi. Vandeventer Ave. between Washington Ave. and Market St., $210,000; 4½ blocks Vandeventer Ave. between Chouteau Ave. and Tower Grove Viaduct, $60,000. C. E. Smith, city engr.

Mo., Troy—Lincoln Co. voted $800,000 bonds to build hard surfaced roads. Engineer not selected.

Tex., Corsicana—Navarro Co. voted $35,000 bonds to build roads in Dist. No. 6, R. J. Windrow, Austin, state highway engr.

Tex., Denton—Denton Co. plans to gravel surface and build rein.-con. drainage structures on 10.055 mi. State Highway No. 40, from here to Garza, 18 ft. wide, involving 17 acres clearing and grubbing 38,419 cu. yd. earth and 3000 cu. yd. rock excav., 67,762 lb. reinforcing steel and 488 cu. yd. Class "A" and 371 cu. yd. Class "B" concrete. About $164,897. Bryant & Huffman, littlefield Bldg., Austin, engrs.

Tex., Karnes City—Karnes Co. voted $300,000 bonds to build roads. R. J. Windrow, Austin, state highway engr. Noted Sept. 25.

Okla., Blackwell—I. O. O. F. plans to hard surface 2 mi. roads leading south of here to cemetery, which is under their supervision. About $50,000. State Highway Comn., Oklahoma, will appropriate $25,000 toward cost.

Okla., Enid—Garfield Co. having plans prepared hard surfacing various roads, 18 ft. wide, probably concrete. About $210,000. F. Denner, Enid, engr.

Ore., Portland—City received no bids paving portions of 45th St., S. E., 53rd Ave., S. E., Front and 1st Sts.; also building sewer in Division St. from point 50 ft. west of East 9th St. to sewer 100 ft. west of East 7th St. O. Laurgaard, city engr.

Ore., Portland—City plans to grade, drain and pave East 17th St. from point 100 ft. south of Insley Ave., to south line of Holgate St., asphaltic concrete on crushed rock base, cost $5,206; Russet St. from Drummond St. to Peninsular Ave., $1,139; Webster St. from Interstate to Denver Aves., $1,210; Bway. from point 97 ft. east of East 45th St. to east line of lot 9, block 2, Stroud, $6,217; Roosevelt St. from 22nd to 23rd Sts., $4,580; East 16th St., from East Morrison to East Stark Sts., $3,188, all with concrete Nos. 1 and 2; Van Houten St. from Lombard St. to Columbia Slough, asphaltic concrete Nos. 1 and 2 or bitulithic, $11,915. O. Laurgaard, city engr.

Cal., El Centro—Imperial Co. voted $150,000 bonds to build 35 mi. road from ElCentro to San Diego. An election will be held soon to vote on $150,000 additional bonds for Mecca-Brawley-Los Angeles Rd.

Cal., Fresno—Fresno Co. soon lets contract paving Elm. Ave., 16 ft. wide, involving 21,550 cu. yd. earth excav. and 15,570 cu. yd. concrete.

Cal., Oakland—City plans to improve 5140 ft. 14th St. from Market to Wood Sts., 80 ft. wide, involving 247,096 sq. ft. grading, 9719 lin. ft. concrete curb, 11,570 sq. ft. brick guttering, 26,136 sq. yd. asphalt and 396 lin. ft. 10 in. pipe. About $55,000. M. Campbell, city engr.

Cal., San Luis Obispo—San Luis Obispo Co. election Dec. 16 to vote on $1,500,000 bonds to build, pave and improve roads. F. J. Rodrigues, clk.

Cal., San Luis Obispo—San Luis Obispo Co. having preliminary plans prepared for improving 2 mi. Paso Robles-Camieria Rd., also continuing State Highway through Arroyo Grande, and paving same with cement. About $8,000 and $28,000 respectively.

BIDS DESIRED.

Ga., Folkstone—Until Dec. 5, by Comrs. Charlton Co., building 19.24 mi. Federal Aid Project No. 77, involving 112,875 yd. gravel or slag. About $200,000. J. E. McCrary, 3rd Natl. Bank Bldg., Atlanta, engr.

Fla., Ft. Meyers—Until Dec. 2, by City, improving various streets, involving 26,000 yd. pavement, 135,000 lin. ft. curb and gutter, and 27,443 lin. ft. 4-8 in. c. i. pipe. About $125,000. J. A. Davidson & Son, Ft. Meyers, engrs.

Ia., Charles City—Until Dec. 8, by Floyd Co., improving roads, involving 11.54 mi. grading, 48,066 cu. yd. earth excav., 131,034 sq. yd. paving, 52,452 lin. ft. tiling, etc.

Ia., Jefferson—Until Dec. 4, by Green Co., improving roads, to include 6.47 mi. grading, 17,442 cu. yd. earth excav. and 68,400 yd. paving.

Minn., Alexandria—Until Dec. 15, by City Council, paving various streets, 18 ft. wide, involving 32,800 sq. yd. concrete or asphalt and concrete. G. L. Pillsbury Co., Metropolitan Bank Bldg., Minneapolis, engrs.

Kan., Abilene—Until Dec. 1, Comrs. Dickinson Co., grading and building 4.53 mi. Golden Belt Rd., Sect. A, Federal Aid Project No. 32, 18 ft. wide, concrete, also bridges and culverts on same, cost $290,000; 3.96 mi. Bee Line Rd., Sects. D and G, Federal Aid Project No. 29, 18 ft. wide, brick or concrete, also bridges and culverts on Sect. G, to include 20 ft. span, with 18 ft. roadway, $265,000. K. Riddle, Abilene, engr.

Kan., Salina—Until Dec. 4, by Comrs. Saline Co., grading and building .906 mi. Country Club Rd., 20 ft. wide, brick or concrete, also bridges and culverts on same. About $65,000. W. H. Cost, Salina, engr.

Kan., Wellington—Until Dec. 3, by Comrs. Sumner Co., grading and building 8.55 mi. Meridian Highway, Sects. A B and C, Federal Aid Project No. 35, 18 ft. wide, concrete, also bridges and culverts on Sect. C, to include two 50 ft. spans, with 18 ft. roadway, cost $360,000; grading and building road on .832 mi. Rome Rd., Sect. X, Benefit Dist., 18 ft. wide, concrete, also bridges and culverts on same, $43,000. J. E. Mavity, Wellington, engr.

Kan., Wellington—Until Dec. 3, by J. W. Mavity, engr. Sumner Co., building 9 mi. road, 18 ft. wide, 1 or 2 course concrete. Work includes 1 rein.-con. girder with two 30 ft. spans.

Mo., New Madrid—Until Dec. 1, by New Madrid Co., grading, ditching, rock surfacing and laying vitr. or corrugated pipe in 7.5 mi. Sect. 1 Canalou-Matthews Rd.; grading, ditching, grubbing, rock surfacing and laying culverts in Sect. 1, Silbourn-Parma Rd., East half extending from Station 0-00 to Floodway, 8.71 mi., and West half from Floodway to Parma, 5.57 mi. Bids will be received for either half or for the entire project. C. V. Hansen, highway engr.

Tex., Tyler—Until Dec. 1, by Comrs. Smith Co. and D. K. Caldwell, engr., care State Highway Comn., Austin, gravel surfacing, 7.82 mi. Highway No. 15 Cost to exceed $35,000.

Tex., Tyler—Until Dec. 1, by W. R. Castle, judge Smith Co., building road and concrete drainage structures on 8.72 mi. highway from here to Van Zandt Co., 16 ft. wide, 4.78 mi. to be gravel surfaced and 3.94 mi. concrete surfaced. About $174,481. D. K. Caldwell, Tyler, engr.

PRICES AND CONTRACTS AWARDED

(*Indicates award of contract.)

***Mass., Boston**—City let contract paving Rutherford Ave., 40 ft. wide, involving 18,000 sq. yd. granite block on 6 in. concrete base and 6,600 lin. ft. concrete curbing, to Coleman Bros., Chelsea, $62,820.

***R. I., Cranston**—City let contract resurfacing 2-3 mi. Broad St., sheet asphalt on 5 in. concrete base, to E. P. Tracy, Derby. About $16,800. Noted Oct. 30.

Streets and Roads (Continued)

*N. Y., **Brooklyn**—E. Riegelmann, boro. pres., let contracts to C. A. Meyers, Contg. Co., Stagg St. and Morgan Ave., regulating and paving East 14th St., $7,400, East 12th St., $5,357, regulating and grading East 12th St., $3,629, East 14th St., $3,572; to L. Mangeri, 190 31st St., East 82nd St., $8,149.

*N. Y., **Long Island City**—M. E. Connolly, pres. Queens Boro., let contract to Consolidated Asphalt Paving Co., 52 9th St., Brooklyn, paving Bway., concrete asphalt, $35,891. Hillside Ave., $170,316; to Uvalde Asphalt Paving Co., 1 Bway, New York City, Carona Ave., $24,375, Cooper Ave., $11,548. Jackson Ave., $32,980; to Union Paving Co., Bway. and 112th St., New York City, Rockaway Plank Rd., $172,497.

*N. J., **Jersey City**—City let contract repaving Zabriskie St., asphalt, to W. T. Crichfield, Hoboken, 113 per cent of engineers' estimate, (which was $25,000.) Noted Oct. 23.

*W. Va., **Moundsville**—Marshall Co. will grade, pave and drain ½ mi. Moundsville-Mc Mechen Rd., involving 4,500 sq. yd. concrete pavement. Work will be done by day labor.

*W. Va., **Petersburg**—Comrs. Grant Co. let contract grading and draining 8 mi. Franklin-Patterson Creek Rd., 16 ft. wide, involving 34,700 cu. yd. earth and rock excav. 2,066 sq. yd. waterbound macadam and 1240 lin. ft. 12-24 in. corrugated iron pipe, to H. W. Kaylor, 121 East Antietam St., Hagerstown, Md., $48,021.

*N. C., **Charlotte**—Comrs. Mecklenburg Co. let contract hard surfacing 6 mi. Monroe Rd., 16 ft. wide, to Simmons-Whitton & Co., Selwyn Hotel Co., Charlotte About $150,000 Noted Sept. 11.

*N. C., **Jackson**—Comrs. Northampton Co. let contract graveling 5.8 mi. road, to Virginia Constr. Co., Hopewell, Va. About $45,000.

*N. C., **Kinston**—Comrs. Lenoir Co. let contract paving 25 mi. sheet asphalt roads, 16 ft. wide, to West Constr. Co., Volunteer State Life Bldg., Chattanooga, Tenn.

*N. C., **Raleigh**—Comrs. Wake Co. let contract paving 7.8 mi. Raleigh-Carey Rd., Warrenite, to R. J. Lassiter, Oxford, $3.04 per sq. yd. Noted July 3.

*O., **Garfield Heights**—Village let contract paving Garfield Heights Blvd., involving 520,000 sq.ft. asphalt on 6 in. concrete base, to Cleveland Trinidad Paving Co., The Arcade, $105,977.

*Wis., **Wausau**—City let contract for 5000 sy. yd. concrete pavement, to C. Lotz, Wausau, $2.36 per sq. yd.

*Mo., **Liberty**—Clay Co. let contract grading and building bridges on 3 mi. road from Kansas City to Liberty, 18 ft. wide(to W. M. Spencer, Independence, $39,628.

*Texas, **Columbus**—Colorado Co. let contract gravel surfacing and draining 19.46 mi. Highway No. 3, east and west through Eagle Lake, 16 ft. wide, to M. M. Craven, Missouri City, $187,870. Work involves 3 acres clearing and grubbing, 63,317 cu. yd. unclassified earth excav., 6589 sq. yd. concrete paving, 45,923 lb. reinforcing steel, 480 cu. yd. Class "A" and 30 cu. yd. Class "B" concrete.

*Texas, **Granbury**—Hood Co. let contract gravel surfacing and draining 28 mi. Highway No. 10 from Erath Co. line to Parker Co. line, 16 ft. wide, to Mc Elvrath & Rogers, Corsicana, $208,875. Work involves 5 acres clearing and grubbing, 138,109 cu. yd. earth and 7,000 cu. yd. rock excav., 1578 Class "A," 1463 cu. yd. Class "B" and 103 cu. yd. 1-3 in. concrete. Noted Sept. 25.

Tex., Mt. Vernon—Franklin Co. received bids surfacing and draining 12.37 mi. Highway No. 1 from Titus Co. to Hopkins Co. line, 12 ft. wide, from Smith Bros., Crockett, $68,214, and N. B. Gregory, Texarkana, $70,512. Work involves 10,420 sq. yd. concrete and 13,328 cu. yd. unclassified earth excav. County to furnish gravel at cost of $22,637. Noted Aug. 28.

*Tex., **Odessa**—Ector and Crane Counties let contract gravel surfacing and draining 9.753 mi. Highway No. 1, from Ward Co. line to Judkins, Ector Co., 14 ft. wide, to Lee-Moor Constr. Co., 302 Two Republics Bldg., El Paso, $104,840. Work involves 3.54 mi. machine grading, 26294 cu. yd. earth excav., 2208 lb. reinforcing steel and 64 cu. yd. concrete. State will probably furnish engineer to supervise construction. Noted May 22.

*Tex., **Port Lavaca**—Calhound Co. will build mud shell surfaced road on 4.616 mi. Highway No. 2, from here to Wittenbert Gate, 16 ft. wide, involving 23,742 lin. ft. machine grading, 235 lin. ft. pile trestle and 4000 lin. ft. guard fence. Work will be done by day labor. Noted Sept. 4.

*Tex., **Quitman**—Wood Co. let contract grading, gravel surfacing and draining 21.69 mi. Highway No. 15A, from Mineola to Upshur Co. line, 15 ft. wide, to Harris & Powell, Tyler, $161,455. Work involves 91.9 acres clearing and grubbing, 204,807 cu. yd. unclassified earth excav., 793 cu. yd. Class "A" and 133 cu. yd. Class "C" concrete, one 29 ft. and one 22 ft. span bridge, two 32 ft. and one 48 ft. concrete trestles, etc. Noted July 3.

*Okla., **Edmond**—City let contract for 42 blocks concrete pavement, to H. F. Struble, Norman, $230,449.

*Ariz., **Globe**—Gila Co. let contract paving 1900 ft. lower Miami St., 20 ft. wide, concrete on concrete base, to Hoopes & Kinnemuir, Miami. About $14,000.

*Ore., **Klamath Falls**—Oregon California Eastern R. R. let contract grading 4 mi. Straborn R. R. from Dairy to Hildebrand, to E. Propst, and J. Morgan, Klamath Falls. About $80,000. Culverts and all steel will be supplied by Coast Culvert & Flume Co., Columbia Blvd. and Derby St., Portland.

*Ore., **Mt. Angel**—Marion Co. let contract spreading 10,000 yd. crushed rock on roads, to L. A. Smith, Mt. Angel. About $10,000.

Ore., Portland—City Council received bids from K. G. Lundstrom, 457 East 19th St., paving Cardinal Drive, macadam, $7.40 per cu. yd., total cost, $5,453, Grenwolde Court from Upper Dr. to southern extremity of court, concrete in roadway, $2.50 per sq. yd. $2,646, Kearney St., stone block, $7.00 per sq. yd., $2,359.

*Ore., **St .Helens**—City let contract paving 2 blocks Columbia St. type E bitulithic, to Warren Constr. Co., Journal Bldg., Portland. About $11,000.

California—State Highway Comn., 515 Forum Bldg., Sacramento, received bids from R. C. Storrie & Co., Crocker Bldg., San Francisco, building Sect. B, Route 3, Div. 2, Federal Aid Project No. 32, Siskiyou Co., involving 95,000 cu. yd. excav. at $1.35 per cu. yd., 17,350 cu. yd. class A Portland cement concrete (pavement), $11.50, 684 cu. yd. class A Portland cement concrete (culverts, etc..) $25. 50 cu. yd. class A Portland cement concrete (slope paving) 20,-394 lin. ft. 12 in. corrugated pipe, $1.25, 588 lin. ft. 18 in. corrugated pipe, $1.59, 496 lin. ft. 24 in. corrugated pipe, $2, total cost, $354,081.

*California—State Highway Comn., 515 Forum Bldg., Sacramento, let contract to H. H. Lienau, Redlands, building 7.1 mi. Sect. B, Route 26, Div. 7, Federal Aid Project No. 33, Riverside and San Berbardino Counties, involving 82,300 cu. yd. earth excav. at $.60 per cu. yd., 618 cu. yd. class A Portland cement concrete, $20, 1051 lin. ft. pipe, $1.25, total, $63,663; to L. S. Aatchinson, Jr., 1124 5th St., Sacramento, 4.5 mi. Sect. A, Route 3, Div. 2, between Vina and Los Molinos Tehama Co., involving 17,000 cu. yd. excav., $1.00, 4350 cu. yd. class A Portland cement concrete, $7.50, 150 cu. yd. class A Portland cement concrete, $20, total $53,489; to G. R. Curtis, 2440 East 26th St., Los Angeles, Sect. A and B, Route 2, Div. 7, between southerly boundary and Conejo Grade, Ventura Co., involving 1500 cu. yd. excav. and 7,000 cu. yd. class A Portland cement concrete, total $114,250.

*Cal., **Oakland**—City let contract improving 23rd Ave. from Railroad to 29th Aves., and 29th Ave. from 23rd Ave. to North Alameda Tract, involving 137,319 sq. ft. grading, 14,414 sq. yd. asphalt, 7594 sq. ft. brick guttering, 6258 lin. ft. concrete curbing, 1442 lin. ft. 10-21 in. pipe conduit and 1622 lin. ft. 2 ft. 3 in. x 2 ft. 6 in. concrete culverts, to Municipal Impvt. Co., 357 12th St., $69,588.

Cal., San Diego—City Council received bids improving Granada Ave. between Upas St. and University Ave., involving 143,412 sq. ft. asphaltum macadam, surface on concrete base, 2816 lin. ft. concrete curbing, 14,550 sq. ft. concrete sidewalk, 2748 lin. ft. c. i. pipe, etc., from D. H. Ryan, East San Diego, paving, .2476 per sq. ft., curbing .56 per lin. ft., sidewalks, 185, watermains $2.92 per lin. ft.; J. Engebretsen, McNeece Bldg., paving, .265, curbing .54, sidewalks .1725, watermains 2.95; G. R. Daley, 432 F St., paving .26, curbing .50, sidewalks .15, watermains 3.03. Noted Sept. 18.

Cal., San Francisco—City received bids improving 42nd Ave. between Geary and Anza Sts., involving 933 sq. yd. vitr. brick, 2276 sq. yd. asphalt; 1294 lin. ft. concrete curbing, 4140 sq. ft. artificial stone sidewalks, etc., from Flinn & Treacy, Call Bldg., $11,385, C. B. Eatin, 407 11th St., $12,841, Raisch Impvt. Co., 46 Kearny St., $12,860.

Excavation and Dredging

PROPOSED WORK.

N. J., Trenton—Dredging—V. Gelineau, dir. bd. commerce & navigation, State House soon lets contract dredging section Inland Waterway connecting Barnegat Bay and Manasquan River. About $25,000.

Ore., Astoria—Channel—Port Comn. having preliminary plans prepared by R. R. Bartlett, engr., Astoria, building channel from Tongue Point to River mouth, from 1.5 to 1.75 mi. wide, 36 ft. deep at low tide; also at northern Youngs Bay, to divert water from Clatsop Co. bridge, 6000 ft. wide, 30 ft. deep, involving 82,750,000 cu. yd. sand excav. About $2,500,000.

PRICES AND CONTRACTS AWARDED

(*Indicates award of contract)

*O., **Cleveland**—Excavation—C. A. Selzer, The Arcade, let contract for $35,000 cu. yd. excavation, in Garfield Allotment, to Kahl Constr. Co., 2936 Huntington Rd., Cleveland Heights.

*Ia., **Webster City**—Joint Bd. Supervs. Hardin and Hamilton Counties, let contracts for labor for building Joint Drain No. 105, Hardin Co. and No. 216, Hamilton Co., to Jensen, Jensen & Williams, Webster City, $14,229; tile, to Natl. Sewer Pipe Co., Webster City, $19,865. Work involves 47,756 ft. No. vitr. clay drain tile, 24 in. minimum length, sewer pipe, etc.

Industrial Works

PROPOSED WORK.

Me., Biddleford—Saco-Lowell, 77 Franklin St., Boston, Mass., having plans prepared by Lockwood-Green Co., archts. and engrs., 60 Federal St., Boston, Mass., for 2 story, rein.-con. and steel machine shop and foundry, rein.-con. flooring, concrete foundation, here. About $200,000.

Mass., Lowell—Saco-Lowell, 77 Franklin St., Boston, having plans prepared by Lockwood-Greene Co., archts. and engrs., 60 Federal St., Boston, for 2 story, rein.-con. and steel, machine shop and foundry, rein.-con. flooring, concrete foundation, here. About $250,000.

R. I., Pawtucket—W. H. Haskell Mfg. Co., Main St., having plans prepared by W. B. Lewis, engr., Grosvenor Bldg., Providence, and soon receives bids building 2 story, 80 x 160 ft., brick machine shop, concrete foundation. About $100,000.

Conn., Bridgeport—Columbia Grafanola Co., Barnum St., plans to build 5 and 6 story, brick and steel factories, rein.-con. flooring, concrete foundation, on Barnum St. and Howard Ave. About $750,000 and $1,000,000 respectively. Private plans.

Conn. Naugatuck—Naugatuck Chemical Wks. having plans prepared by Lockwood-Green Co., archts. and engrs., 101 Park Ave., New York City, for 4 story, 60 x 80 ft. brick, rein.-con. and steel, plant, rein.-con. flooring, concrete foundation. About $70,000.

Conn., New Haven—A. C. Gilbert, Blatchey Ave., having plans prepared by Lockwood-Green Co., archts. and engrs., 101 Park Ave., New York City, for 3 story, 80 x 100 ft., brick, rein.-con. and steel factory, rein.-con. flooring, concrete foundation. About $80,000.

N. Y., Brooklyn—Ballinger & Perrott, archts. and engrs., 47 West 34th St., New York City, soon let contract building 4 story, rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on Devoe and Morgan Sts., for N. Alexander & Co., Lorimre St. About $350,000.

N. Y., Buffalo—C. J. Irwin, Ellicott Sq., having plans prepared by F. J. and W. A. Kidd, archts., 284 Delaware Ave., for 4 story 90 x 100 ft. brick and rein.-con. garage, rein.-con. flooring, concrete foundation, on Swan St. About $75,000.

N. Y., Long Island City—H. A. Mallison, care Lockwood, Green & Co., archts. and engrs., 101 Park Ave., New York City, having plans prepared for 2 story, 125 x 207 ft., rein.-con. and steel mill, rein.-con. flooring, concrete foundation. About $225,000.

N. Y., Rockville Center—Goodwin Motor Sales Corp., having plans prepared by E. O. Holmgren, archt. and engr., 371 Fulton St., Brooklyn, for 1 story, 70 x 170 ft. brick and steel, service station and salesroom, rein.-con. flooring, brick foundation.

N. J., Bayonne—White Oil Co., 501 5th Ave., New York City, purchased 16 acres along water front, here, and plans to construct distributing station, to include five 75,000 bbl. and fourteen 10,000 bbl. tanks, canning plant, other buildings, etc. Cost over $250,000.

N. J., Trenton—Maddock Pottery Co., 3rd St., plans to construct plant, to include 2 story, 50 x 120 ft. and 3 story, 60 x 120 ft. buildings, also 60 x 160 ft. kiln. About $150,000. J. O. Hunt, 114 North Montgomery St., archt.

Md., Orangeville (Baltimore P. O.)—J. E. Aldred, 24 Exch. Pl., New York City, T. M. Jones, 503 Lexington St., Baltimore, and others acquired site, here, and plans to build metal furniture manufacturing plant. About $200,000.

Md., Orangeville (Baltimore P. O.)—Columbia Graphophone Mfg. Corp., 16 South Howard St., Baltimore, having plans prepared by A. R. Palmer, engr., Howard Ave., Bridgeport, Conn., for factory, near Biddle St. and Loneys Lane, here. About $1,500,-000. Noted Oct. 23.

S. C., Bamberg—Bamberg Cotton Mills plan to build 2 story, 52 x 375 ft., mill construction, cotton mill. J. E. Sirrine, Greenville, engr.

Industrial Works (Continued)

S. C., Ft. Mill—J. E. Sirrine, archt., Greenville, soon lets contract constructing 60 x 120 ft. slasher room, 80 x 114 ft. dye house,and 2 story, 30 x 114 ft. opener room and waste building, mill construction, for Mill Mfg. Co.

O., Cleveland—Cleveland Ry., Leader News Bldg., having preliminary plans prepared by L. P. Crocelius, engr. and archt., 650 Leader News Bldg., for 1 story, 50x50 ft., automatic sub-station, concrete, steel and brick, rein.-con. flooring, brick and concrete foundation, on Detroit Ave. and West 65th St. About $60,000.

O., Cleveland—Cleveland Ry., Leader News Bldg., having preliminary plans prepared by L. P. Crocelius, engr., 650 Leader News Bldg., for automatic sub-station, concrete, steel and brick, rein.-con. flooring, brick foundation, on Superior Ave. and East 123rd St.

O., Cleveland—W. S. Ferguson Co., archts., 1900 Euclid Ave., receive bids about Dec. 29, building 8 story, 100 x 150 ft. concrete, steel and brick garage, rein.-con. flooring, concrete foundation, on Huron Rd. and East 12th St. for G. A. Tenbusch Realty Co., 1836 Euclid Ave. About $600,000.

O., Cleveland—G. S. Rider & Co., archts. and engrs., Century Bldg., receive bids after Jan. 5, constructing 12 story, 85 x 200 ft. concrete, steel and brick storage building, rein.-con. flooring, concrete foundation, for Sheriff St. Market House Co., East 4th St. and Bolivar Rd. About $1,000,000.

O., Cleveland—Titan Screw Products Co., 1175 East 152d St., plans to build brick and steel factory and machine shop, rein.-con. flooring, concrete foundation. About $200,000. W. J. Hayes, pres. Architect not selected.

O., Columbus—Amer. Educ. Press Co., 227 West 36th St., New York City, plans to build 3 story, 21x187½ ft. printing plant, at 78 South 3rd St., here. C. P. Davis, treas.

O., Dayton—Bart Motor Sales Co., 1810 South Brown St., plans to build 2 story, rein.con. garage and salesroom, rein.-con. flooring, concrete foundation, on 2nd and Jefferson Sts. About $75,000. Architect not selected.

O., Dayton—Dodge Bros. Auto Sales Co. plans to build 3 story, 60 x 100 ft., rein.-con. and brick garage and salesroom, rein.-con. flooring, concrete foundation, on 1st and Jefferson Sts. About $80,000. Frank Hill Smith Co., Inc., 1035 Reibold Bldg., archts.

O., Warren—Genl. Fire Extinguisher Co. having plans prepared by H. M. Lane Co., engrs., 701 Owen Bldg., Detroit, Mich., for 2 story, 100 x 200 ft., rein.-con. and steel foundry, rein.-con. flooring, concrete foundation. About $350,000.

Mich., Detroit—M. R. Burrows, archt., 435 Woodward Ave., soon lets contract building 2 story, 71x200 ft., rein.-con., brick and steel garage and sales room, rein.-con. flooring, concrete foundation, on Woodward and Lothrop Aves., for Nash Co., 1299 Woodward Ave. About $90,000.

Mich., Detroit—Kennedy Bros., 503 Sun Bldg., plan to build 2 story, 86 x 167 ft., rein.-con., brick and steel sales room and service station, rein.-con. flooring, concrete foundation, on Cass Ave. and Putnam St. Architect not selected.

Mich., Detroit—Sibley Lumber Co., Kercheval and Beaufait Aves., having plans prepared by Baxter, O'Dell & Halpin, archts., 1024 Hammond Bldg., for 3 story, 157 x 160 ft., rein.-con. brick and steel factory, rein.-con. flooring, concrete foundation. About $100,000.

Mich., Detroit — Smith, Hinchman & Grylls, archts., 710 Washington Arcade, soon let contract building 1 story 106 x 313 ft., concrete and steel, shed and shop, concrete and wood block flooring, concrete foundation, for Detroit Steel Products Co., West Grand Blvd.

Wis., Kewaskum—L. Hunt, archt., 501 Security Bldg., Milwaukee, soon lets contract building 2 story, 50 x 180 ft. rein.-con. and steel factory, rein.-con. flooring, concrete foundation, for Kewaskum Aluminum Co. here. About $50,000.

Wis., Milwaukee—Bd. Educ., 10th and Prairie Sts., plans to build 2 story, 120 x 160 ft. rein.-con. and brick warehouses, rein.-con. flooring, concrete foundation. About $60,000. Van Ryn & De Gelleke, Caswell Blk., archts.

Wis., Milwaukee — Milwaukee Reliance Boiler Wks., 1102-32nd St., plan to build 1 story, 70x180 ft. brick and steel plant, rein.-con. flooring, concrete foundation. A. D. Koch, Wells Bldg., archt. and engr.

Wis., Milwaukee—Phoenix Knitting Co., 207 Bway., plans to build 7 story, rein.-con. and brick addition to factory, rein.-con. flooring, concrete foundation. O. C. Uehling, 425 East Water St., archt., and engr.

Wis., West Bend—West Bend Aluminum Co. plans to build 4 story, 70 x 190 ft. rein.-con. and brick factory, rein.-con. flooring, concrete foundation. About $100,000. Federal Eng. Co., Stephenson Bldg., Milwaukee, archts. and engrs.

Ia., Cedar Rapids—C. S. Krause, 205-7 Security Bank Bldg., and G. P. Witwer, 1819-2nd Ave., plan to build 3 story, 90X140 ft., brick, rein.-con. and steel garage, rein.-con. flooring, concrete foundation. About $90,000.

Minn., Minneapolis—Northwestern Automobile Intelligence Assn., 417 5th St., S., having preliminary sketches made for 2 story, 55 x 198 ft. service and sales building, rein.-con. or mill construction, on 4th Ave., and 5th St. About $75,000. Architect not selected.

Minn., St. Paul—H. A. Bratz, engr., Commerce Bldg., receives bids in spring building grain elevator, 100,000 bu. capacity, for Acme Mills, care engr. About $60,000.

Minn., St. Paul—Western Chemical Co., 443 South Dearborn St., Chicago, plans to build factory and office, on 30th St. and University Ave. About $100,000.

Kan., Emporia—State Bd. Administration, Topeka, having plans prepared by R. L. Gamble, archt., 1415 Fillmore St., Topeka, for 1 story power plant, for State Normal School, here. Cost, including equipment, $70,000. J. A. Kimball, mgr.

Kan., Hutchinson—Solvay Process, Milton Ave., Syracuse, N. Y., having plans prepared for 1 story plant, to include 3 rein.-con. and steel buildings, rein.-con. flooring, concrete foundation. About $750,000. Private plans.

Mo., Joplin—Joplin Supply Co., 3rd and Wall Sts., having plans prepared by Smith, Rea & Lovitt, archts., Finance Bldg., Kansas City, for 5 story, 75 x 120 ft., rein.-con., steel and brick garage and salesroom, rein.-con. flooring, concrete foundation. About $150,000.

Mo., St. Louis—F. W. Whining and C. Peters, Chemical Bldg., plan to build 8 story, 127 x 140 ft., concrete, steel and brick garage, rein.-con. flooring, rock foundation, on 7th and Franklin Sts. Architect not selected.

Tex., Dallas—Dallas Auto Club, Richardson Rd., plans to build 15 story garage. About $150,000. Architect not selected. E. D. Spillers, mgr.

Tex., Jacksboro—Texas United Oil and Refining Co., Ft. Worth, plans to build 1 story refinery, here. About $350,000. Architect not selected.

Okla., Cleveland—City voted $40,000 bonds to build gas plant and pipe line system. D. B. Heller, clk. Engineer to be selected at once.

Idaho, Nampa—Gove Motor Co., 208 Ideal Bldg., Denver, having preliminary plans prepared for 2 story assembling plant, concrete, concrete foundation, on 40 acre site, adjoining here. About $50,000. H. E. Gove, Denver, mgr.

Ore., Portland—Aladdin Co., Bay City, Mich., having preliminary plans prepared by A. I. Lamb, engr., Bay City, Mich., building 2 or 3 story, factory, concrete or brick. About $80,000. F. A. Carr, Bay City, Mich., purch. dir.

Ore., Portland—W. C. Powell Mfg. Co., 117 North 3rd St., St. Joseph, Mo., having preliminary plans prepared for 3 or 4 story, brick or concrete factory. About $75,000. W. C. Powell, mgr. Architect not selected.

Ore., Rainier—Allen-Hendricksen Canning Co., plans to build 2 or 3 story frame and concrete cannery, concrete foundation, or D. Blanchard estate. About $55,000. Architect not selected.

BIDS DESIRED.

N. Y., Brooklyn—Until Dec. 10, by State Hospital Comn., Capitol, Albany, building 2 story, 50 x 71 ft., brick and steel addition to laundry, concrete foundation, for Brooklyn State Hospital, here. About $95,000. L. F. Pilcher, Albany, state archt. Noted Nov. 6.

N. Y., Brooklyn—Until Dec. 1, by M. Winston, archt. and engr., 63 Park Row, New York City, building 1 story, 60 x 85 ft. and 2 story, 25 x 75 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on East 8th St., for Parkway Riding Academy. About $40,000.

Ill., Chicago—L. C. Bouchard, arch., 64 West Randolph St., receiving bids building 4 story, 60 x 70 ft., brick, terra cotta and rein.-con. printing plant, rein.-con. flooring, concrete foundation, at 1855 North Halsted St., for Premier Lithographing Co., care architect. About $100,000.

Ill., Chicago—Schmidt, Garden & Martin, archts., 104 South Michigan Ave., receiving bids building 5 story, 125 x 500 ft., rein.-con., brick and terra cotta factory, on Franklin Blvd. and Homan Blvd., for Bunte Bros., 730 West Monroe St. About $1,500,000. Noted Jan. 2.

Ill., Chicago—H. Sider & Son, 1311 Blue Island, receiving bids building 2 story, 45 x 125 ft., brick and rein.-con. factory and garage, rein.-con. flooring, concrete foundation, on Washburne Ave., and Laflin St. About $30,000. H. I. Dalsey, 2321 West North Ave., archt.

Minn., Hastings—Until Dec. 1, [illegible] State Bd. Control, Capitol, St. Paul, building 1 story, 45 x 140 ft., rein.-con. and brick power house, including a tunnel, at State Insane Asylum, here. About $125,000. C. L. Pillsbury Co., Metropolitan Bank Bldg., Minneapolis, engr. C. H. Johnston, Capital Bank Bldg., St. Paul, archt.

PRICES AND CONTRACTS AWARDED

(*Indicates award of contract.)

***Mass., Boston**—N. Berenson let contract building 2 story 125 x 242 ft., brick and rein.-con. garage and storage plant, rein.-con. flooring, concrete foundation, on Brighton Ave., to W. Bailey Constr. Co., Broad St. About $250,000.

***Mass., Boston**—Union Wool Co., 10 High St., let contract building 7 story 100 x 200 ft., rein.-con. beam and girder type storehouse, rein.-con. flooring, concrete foundation, on Summer St., to W. F. Kearns Co., Devonshire St.

***Mass., Fitchburg**—F. P. Sheldon & Son, engrs., Rhode Island Hospital Trust Bldg., Providence, R. I., let contract to J. H. Grozier, Bartholomew Ave., Hartford, Conn., building 3 story, 59 x 115 ft., brick and mill construction addition to mill, concrete foundation, for Fitchburg Yarn Co. About $100,000. Noted Oct. 30.

***Mass., North Adams**—Arnold Print Wks. will build 1 and 2 story, 80x95 ft., brick and rein.-con. dye house, rein.-con. flooring, concrete foundation. About $50,000. Work will be done by day labor.

***Mass., Willimansett (Holyoke P. O.)**—Stevens-Duryea Co., Chicopee Falls, let contract building 1 story, 300 x 320 ft. brick, concrete and steel factory, rein.-con flooring, here, to P. J. Kennedy & Co., 464 Maple St., Holyoke.

***R. I., Centreville**—F. Sheldon & Son, engrs., Rhode Island Hospital Trust Bldg., Providence, let contract to J. F. McCusker, Phenix, building 3 and 4 story, brick and mill construction addition to mill, concrete foundation, for Warwick Mills. About $200,000. Noted Oct. 30.

***R. I., Pawtucket**—Perry & Whipple, engrs., 17 Exchange St., Providence, let contract to O. D. Purington & Co., Industiral Trust Bldg., Providence, building 4 story 55 x 185 ft., brick and mill construction addition to mill, concrete foundation for Tubular Woven Fabrics Co., Main St. About $150,000. Noted Oct. 30.

***R. I., Providence**—E. F. Berkander, 43 Sabin St., let contract building 2 story, 83 x 204 ft., brick and rein.-con. factory, rein.-con. flooring, concrete foundation, on Broad St., to F. G. Rowley Co., 260 Central Ave., Pawtucket. About $100,000.

***N. Y., Albany**—Albany Chemical Co. 2-24 Bway., let contract building 3 story, 57 x 59 ft., steel plant, concrete foundation, on Quay and Gansevoort Sts., to F. J. Stevens, 85 Morris St. About $53,000.

***N. Y., Albany**—J. A. LaPorte, 9 St. Josephs Terrace, let contract building 2 story, 60 x 200 ft., rein.-con. garage, concrete flooring, on Sheridan Ave. near Lark St., to H. Goodman, 418 Delaware Ave. About $60,000.

***N. Y., Albany**—Lockwood-Green Co., archts. and engrs., 101 Park Ave., New York City, let contract to W. E. Sheehan Constr. Co., 28-30 De Witt St., building 3 story, 80 x 90 ft. brick and mill construction factory, rein.-con. flooring, concrete foundation, for Van Slyke & Horton, 471 Bway., New York City. About $75,000. Noted Mar. 6.

***N. Y., New York**—Buchman & Kahn, archts. and engrs., 56 West 45th St., let contract to Rosenthal Eng. Contg. Co., 226 Jackson St., Brooklyn, building 6 story 75 x 200 ft., brick and steel addition to factory, rein.-con. flooring, concrete foundation, on Ave. D. between 13th and 14th Sts., for Eagle Pencil Co., 703 East 13th St. Noted Sept. 11.

***Md., Baltimore**—Wertheimer Bros., 1807 East Preston St., let contract building 3 story, 78 x 103 ft. and 32 x 36 ft. factory, mill construction, rock and brick foundation, on Gay and Preston Sts., to Austin Co., Bulletin Bldg., Phila. About $40,000.

***N. C., Roanoke Rapids**—Roanoke Mills Co., will construct 1 story, 158 x 274 ft. weave room, concrete, 3 story, 103 x 158 ft. finishing plant, brick, and 1 story, 50 x 75 ft. dye house, brick. About $500,000. Work will be done by day labor.

***N. C., Winston-Salem**—G. E. Nissen & Co., will build 187 x 200 ft. factory, boiler and engine house, brick. Work will be done by day labor.

***S. C., Columbia**—Neal Jordan let contract building 2 story, shop and garage, mill construction, to J. C. Heshop, 1302 Pickens St. About $30,000.

***S. C., Easley**—Easley Cotton Mills let contract building 1 story, 55 x 124 ft., concrete and mill construction laundry to Gallevan Bldg. Co., Greenville. Cost to exceed $25,000.

Industrial Works (Continued)

*O., Akron—Klages Coal & Ice Co., 551 South High St., let contract constructing 1 story, 50 x 60 ft., steel and brick storage building, rein.-con. flooring, concrete foundation, on South High St., to J. Crisp & Sons, 163 Annadale Ave. About $75,000.

*O., Cleveland—Astrup Awning Co., 2937 West 25th St., let contract constructing 2 story, 70 x 140 ft., concrete, steel and brick storage building, rein.-con. flooring, concrete foundation, at 2937 West 25th St., to Natl. Concrete Fireproofing Co., Citizens Bldg. About $75,000.

*O., Cleveland—Euclid Windsor Co., Hickox Bldg., let contract building 8 story, 90 x 194 ft. garage and 2 story, 90 x 200 ft. office, concrete, steel and brick, rein.-con. flooring, concrete foundation, on East 46th St. and Euclid Ave., to S. W. Emerson Co., 1900 Euclid Bldg. About $2,000,000.

*O., Cleveland—Grant-Lees Gear Co., 2367 East 69th St., let contract building 3 story, 68 x 120 ft., concrete, steel and brick factory, rein.-con. flooring, concrete foundation, on Carnegie Ave., and East 69th St., to Crowell, Lundoff & Little Co., Meriam Bldg. About $200,000.

*O., Cleveland—Guide Motor Lamp Co., 11400 Madison Ave., let contract building, 1 story, 120 x 500 ft., concrete, steel and brick factory and boiler house, rein.-con. flooring, concrete and brick foundation, on West 110th St., to Crowell, Little Co., 1957 East 57th St. About $200,000.

*Cleveland—Hydraulic Press Steel Co., Hydraulic Ave., let contract building 1 story, 75 x 200 ft., concrete, steel and brick factory addition, rein.-con. flooring, concrete foundation, to Craig-Curtiss Co., 1031 Guardian Bldg. About $100,000.

*O., Cleveland—Judd Automobile Co., 1216 Huron Rd., let contract building 1 story 100 x 110 ft., concrete and brick garage, rein.-con. flooring, concrete and brick foundation, on E. 46th St. and Huron Ave., to E. Paulsen, 528 Erie Bldg. About $100,000.

*O., Dayton—Gem City Ice Cream Co., 1005 West 3rd St., let contract building 3 story, 55 x 60 ft., concrete and brick addition to factory, rein.-con. flooring, concrete foundation, to H. R. Blagg & Co., 1229 East 3rd St. About $44,000.

Mich., Detroit—C. R. Wilson Body Co., Clay Ave., let contract building 6 story, 100 x 300 ft. factory, also 6 story, 100 x 130 ft. storage and shipping room, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, to A. A. Albrecht Co., 1130 Penobscot Bldg. Cost withheld. Noted Mar. 16.

*Mich., Highland Park (Detroit P. O.)—Smith, Hinchman & Gyrlls, archts., 710 Washington Arcade, Detroit, let masonry contract to Montague & Forney, 813 Ford Bldg., Detroit, building 1 and 2 story, 315 x 557 ft., rein.-con. and steel plant, rein.-con. flooring, concrete foundation, on Oakland Ave., for Maxwell Motor Car Co., Oakland Ave. About $750,000. Noted Aug. 28.

*Wis., Beloit—Dowd Knife Wks. let contract building 1 story, 66 x 130 ft. rein.-con. factory, rein.-con. flooring, concrete foundation, to W. J. Fitzgerald, Beloit. About $30,000.

*Wis., Cudahy—Federal Rubber Co. let contract building rubber cement house, 2 story, 50 x 100 ft. rein.-con. and brick, rein.-con. flooring, concrete foundation, with 26 x 92 ft. concrete storage vault, to T. Siderits Constr. Co., 1574 2nd St., Milwaukee. About $60,000.

*Wis., Milwaukee—O. C. Hansen Mfg. Co., 291 Milwaukee St., let contract building 6 story, 60 x 75 ft. and 60 x 260 ft. brick and mill construction factory, concrete foundation, on 6th and Wright Sts., to Immel Constr. Co., 200 North Main St., Fond du Lac. About $300,000.

*Wis., Milwaukee—Milwaukee Auto Engine & Supply Co., 841- 29th St., let contract building 1 story, 120 x 120 ft., brick, concrete and steel factory, rein.-con. flooring, concrete foundation, on 30th St. and North Ave., to S. M. Siesel, 86 Michigan St. About $50,000; cost plus percentage basis.

*Minn., Duluth—H. A. Ostrom, mgr. Duluth Show Case Co., 2800 West Superior St., let contract constructing factory, including 3 story, 75 x 325 ft. main building, 90 x 150 ft. dry shed and 40 x 60 ft. engine house, all brick, rein.-con. flooring, rein.-con. foundation, on Wadena St., to G. H. Lounsberry, 322 East Superior St. About $250,000.

*Minn., Duluth—Scott-Graff Lumber Co., 24th Ave. W., will build 2 story, 50 x 100 ft., rein.-con. and steel factory addition, rein.-con. flooring, concrete foundation, on Michigan St. About $30,000. Work will be done by day labor.

*Neb., Omaha—Farrell & Co., 10th and Dodge Sts., let contract building 6 story, 66 x 106 ft., brick, rein.-con. and stone factory, rein.-con. flooring, concrete foundation, on 9th and Dodge Sts., to P. Kiewit & Sons, 754 Omaha Natl. Bank Bldg. About $115,000.

*Neb., Omaha—Omaha Cold Storage Co., 801 Farnum St., let contract building 5 story, 126 x 154 ft. addition to plant, to Omaha Steel Wks., 4802 Leavenworth St. About $250,000.

*Mo., St. Louis—Christopher & Simpson Iron Wks., 9th and Park Aves., will build 1 story, 88 x 175 ft., brick foundry, rock foundation. About $75,000. Work will be done by day labor.

*Mo., St. Louis—St. Louis Mfg. Co., 5301 Natural Bridge Rd., let contract building 3 story, 40 x 80 ft., concrete and brick addition, rein.-con. flooring, rock foundation, to plant of Genl. Motors Co., Natural Bridge Ave. and Union Blvd., to G. A. Fuller Co., Syndicate Trust Bldg. About $75,000.

*Ark., Arkansas City—G. A. Shryock, 306 East Douglas Ave., Wichita, Kan., let contract building 1 story, brick and steel plant, rein.-con. flooring, concrete foundation, here to Westinghouse Church Kerr, 37 Wall St., New York City. About $60,000.

*Colo., Denver—T. H. Smith, 1520 Cleveland Pl., let brick contract for building 4 story 75 x 150-ft. plant, to Watts Bros., $19,400; carpenter work, to J. G. McDonald & Son, $42,470; steel work, to Jackson-Richter Iron Wks. Co., 32rd and Blake St., $18,268. Contractors all of Denver.

*Wash., Raymond—E. E. Case will build 1 story, 100 x 110 ft. concrete garage, concrete foundation, on 3rd and Alder Sts. About $50,000. Work will be done by day labor.

*Wash., Spokane—Crowley Bros. let contract building 2 story, 67 x 72 ft., concrete factory, concrete foundation, to Hurley-Mason Co., Gasco Bldg., Portland. About $50,000.

*Ore., Linnton—Associated Oil Co., Pittock Blk., Portland, let contract building oil plant, including 1 story, 32 x 180 ft. 14 stall concrete garage, 40 x 170 ft. concrete warehouse, 1 story, 10 room, frame bunk house, four 1 story frame cottages, 4 sets of iron stairways, sewerage system, concrete septic tank, steel roof, unloading rack and concrete and steel gaging tank buildings, to Dinwiddie Constr. Co., Yeon Bldg., Portland. About $120,000. Noted June 26.

*Ore., Portland—Pettit Feather & Bed Co., 4th and Johnson Sts., let general contract building 2 story, 100 x 150 ft., brick and mill construction factory, brick and concrete foundation, on 20th and Guild Sts., to R. O. Powers, 1148 East Harrison St. About $40,000. Noted Oct. 30.

Buildings

PROPOSED WORK

Mass., Boston — Office — New England Telephone & Telegraph Co., 119 Milk St., having plans prepared by Parker, Thomas & Rice, archts., 110 State St., for 3 story, 66 x 100 x 185 ft. el shaped rein.-con. and limestone, rein.-con. flooring, concrete foundation, on Essex St. About $700,000.

Mass., Boston — School — Suffolk Law School, Inc., 45 Mt. Vernon St., receives bids in spring building 3 story, limestone and rein.-con., concrete foundation. About $125,000. Woodbury & Stuart, 581 Boylston St., archts.

Mass., Boston—Theatre—Loews Enterprises, 1492 Bway., New York City, having plans prepared by T. W. Lamb, archt., 644 8th Ave., New York City, for 82 x 192 ft., brick, steel and stone, brick foundation, on Massachusetts Ave., here. About $400,000.

Mass., New Bedford—Church and Rectory—St. Joseph's Roman Catholic Church, 30 Ingraham St., receives bids in spring, building brick and concrete, on Acushnet Ave. About $75,000. O. Crapo, 514 Bowditch St., archt.

Mass., North Adams—Y. M. C. A., 2 West 45th St., New York City, having plans prepared by Jallade & Lindsey, archts. and engrs., 37 Liberty St., New York City, constructing brick, steel and stone building, brick foundation, here. About $250,000.

Conn., Ansonia—Armory—D. W. Orr 956 Chapel St., New Haven, and Payne & Griswold, Plant Bldg., New London, archts., revising plans and soon receive bids building 3 story, 75 x 90 ft. armory, and 75 x 130 ft., drill shed, brick and stone, rein.-con. flooring, rock and concrete foundation, on State and North Cliff Sts., here, for State Armory Bd., Hartford. Former bids rejected. About $150,000. Noted Oct. 30.

Conn., Hartford—Store—A. Steiger Co., 345 Main St., Springfield, Mass., having plans prepared by Buchman & Kahn, archts. and engrs., 56 West 45th St., New York City, for 90 x 150 ft. brick and steel, brick foundation, on Main and Pratt Sts., here. About $500,000. Noted Aug. 14.

Conn., New Britain—Church—St. Marks Protestant Episcopal congregation, West Main and Washington Sts., soon lets contract building 100 x 100 ft., brick and steel, brick foundation. About $200,000. Carrere & Hastings, 52 Vanderbilt Ave., New York City, archts. Noted June 12.

N. Y., Brooklyn (Bensonhurst)—Bank—West End Bank having plans prepared by Holmes & Winslow, archts. and engrs., 110 West 40th St., New York City, for 1 story, 30 x 90 ft., brick, steel, stone and marble, brick foundation. About $50,000.

N. Y. Geneseo—School—F. B. Gilbert, deputy comr. of educ., soon receives bids building 2 story, brick and **rein.-con.**, addition to Geneseo Normal School. About $100,000. L. F. Pilcher, Albany, state archt.

N. Y., Johnson City—School—Bd. Educ. receives bids in January building new Theodore Roosevelt School, on Floral Ave. and St. Charles St. About $210,000. Former bids rejected.

N. Y., Niagara Falls—Office—Aluminum Co. of America, Oliver Bldg., Pittsburgh, Pa., having plans prepared for rein.-con., rein.-con. flooring, concrete foundation here. About $100,000. W. M. Fickes, Niagara Falls, mgr.

N. J., Pennsgrove—Hall and Fire House—C. A. Adams, archt., 1509 Arch St., Phila., soon lets contract building 2 story, 40 x 95 ft., concrete and brick, for town. Cost to exceed, $50,000.

N. J., Trenton—Y. M. C. A., 2 West 45th St., New York City, having plans prepared by Jallade & Lindsley, archts. and engrs., 37 Liberty St., New York City, for brick, steel and stone, brick foundation, here. About $250,000.

Va., Clifton Forge—Y. M. C. A., Bldg. 2 West 45th St., New York City, having plans prepared by Jallade & Lindsay, arch., 37 Liberty St., New York City, for 3 story, brick, steel and stone, brick foundation here. About $60,000.

N. C. Chapel Hill—Dormitory—State Bd. Educ., Raleigh, plans to build dormitory, at university, here. J. S. Salter, state archt. About $75,000.

N. C., High Point—Hotel—T. F. Wrenn plans to build 100 room addition to Elwood Hotel. Architect not selected.

N. C., Raleigh—School—Bd. Educ. plans to build 2 schools. About $100,000 each. Architect not selected.

O., Cincinnati—Club — Business Men's Club, 9th and Race Sts., having plans prepared by S. Hannaford & Sons, archts., 6th and Vine Sts., for 8 story, 90 x 200 ft., on 8th and Race Sts. About $1,000,000.

O., Cincinnati—School—Bd. Educ., Denton Bldg., having plans prepared building school, on West 8th St. About $850,000.

O., Cincinnati—School—Bd. Educ., Denton Bldg., plans to build school on Mitchell Ave. About $500,000.

O., Cincinnati — Theatre — Columbia Amusement Co., 7th Ave. and 47th St., New York City, plans to build brick, steel and stone, brick foundation, on 5th St. near Main St., here. About $400,000. Architect not selected.

O., Cleveland—Bank—Lake Shore Banking & Trust Co., Osborn Bldg., plans to build 3 story, concrete, steel and brick, on East 79th St. and Euclid Ave. About $100,000. J. H. Jones, vice pres. Architect not selected.

O., Cleveland—Bank—Walker & Weeks, archts., 1900 Euclid Bldg., receive bids about Dec. 1, building, 2 story, 30 x 110 ft., concrete, steel and brick, rein.-con. flooring, concrete foundation, on Buckeye Rd. and East 89th St. for Woodland Ave. Savings & Trust Co., Woodland Ave. and East 55th St. About $60,000.

O., Cleveland — Bank — Woodland Ave. Savings & Trust Co., East 55th St. and Woodland Ave., receives bids about March 1, building 2 story, 72x114 ft., concrete, steel and brick, rein.-con. flooring, concrete foundation, on Kirsman Rd., and East 140th St. About $75,000. Walker & Weeks, 1900 Euclid Bldg., archts.

O., Cleveland—Bank and Office—Federal Reserve Bank, Williamson Bldg., plans to build 12 or 16 story, 100 x 150 ft., concrete, steel and brick, rein.-con. flooring, concrete foundation, on East 6th St. and Superior Ave. About $2,000,000. Walker & Weeks, 1900 Euclid Bldg., archts.

O., Cleveland—Commercial—G. A. Gricble, archt., Sloan Bldg., receives bids about Dec. 17, building 6 story, 60 x 140 ft., concrete, steel and brick, rein.-con. flooring, concrete foundation, at 640 Huron Rd., for Huron Sixth Co., care architect. About $450,000.

O., Cleveland — Exchange — Cleveland Telephone Co., Engineers Bldg., receives bids about March 1, building 4 story, 90 x 138 ft., concrete, steel and brick, rein.-con. flooring, concrete foundation, on St. Clair Ave. and East 123rd St. About $250,000. Hubbel & Benes, 4500 Euclid Ave., archts. A. N. Symes, 602 Engineers Bldg., engr.

O., Cleveland — Exchange — Cleveland Telephone Co., Engineers Bldg., receives bids about March 1, building 3 story, 90 x 150 ft., concrete, steel and brick, rein.-con.

Buildings (Continued)

flooring, concrete foundation, on West 65th St. and Guthrie Ave. About $200,000. Hubbell & Benes, 4500 Euclid Ave., archts. A .N. Symes, 602 Engineers Bldg., engr.

O., Cleveland—Market—Euclid East 46th St. Market House Co. plans to build 1 story, 90 x 350 ft., concrete, steel and brick, rein.-con. flooring, concrete foundation, on Euclid Ave., and East 46th St. About $200,000. C. Kamp, mgr. Architect to be selected soon.

O., Cleveland — Office — G. A. Grieble, archt., Sloan Bldg., receives bids about Dec. 1, building 8 story, 98 x 118 ft. concrete, steel and brick, rein.-con. flooring, concrete foundation, on 9th St. and Theresa Ave., for 9th St. Theresa Co., care architect. About $500,000.

O., Cleveland—Theatre—Capital Amusement Co., receives bids about Dec. 15, building 2 story, 100 x 160 ft., concrete, steel and brick, rein.-con. flooring, concrete and brick foundation, on East 117th St. and Kinsman Rd. About $100,000. Private plans.

O., Columbus—Church—St. John's Evangelical Church, 59 East Mound St., having preliminary plans prepared for new church. $100,000 available for project. T. Lehmann, pastor.

O., Columbus—Theatre—J. W. and W. J. Dusenbury, Athletic Club, 136 East Broad St., receive bids about Dec. 15, building 100 x 150 ft., concrete, steel, brick and stone, 50 ft. high on North High St. About $75,000. H. C. Holbrook, Outlook Bldg., archt.

O., Garfield Heights—School—Bd. Educ. receives bids about Jan. 22, building 2 story, 85 x 85 ft., concrete, steel and brick, rein.-con. flooring, concrete foundation, on Bway. Ave. About $90,000. W. H. Nicklas, 1900 Euclid Bldg., Cleveland, archt.

Mich., Detroit — Bank — Dime Savings Bank, Fort and Griswold Sts., having plans prepared for 1 story, 40 & 74 ft., rein.-con. terra cotta and brick, rein.-con. flooring, concrete foundation, on Holbrook Ave. About $50,000. G. M. Lindsey, 2321 Dime Bank Bldg., archt.

Mich., Detroit—Office—S. E. Remey, archt., 503 Whitney Office Bldg., preparing plans for 6 story, 47 x 52 ft., brick and steel, concrete foundation, on Hastings and Erskine Sts. About $100,000. Owner's name withheld.

Mich., Detroit—Sales and Service—M. A. Young, 754 Woodward Ave., having plans prepared by Mildner & Eisen, archts., 924 Hammond Bldg., for 3 story, 60 x 186 ft., rein.-con., brick, steel and stone, rein.-con. flooring, concrete foundation, on Woodward Ave. and Brady St. About $125,000. Noted Nov. 13.

Mich., Detroit—Temple—Odd Fellows' Assn., care H. Kopp, 117 West Fort St., plans to build 3 story, rein.-con. brick and steel, rein.-con. flooring, brick or concrete foundation, on Wheeler and Lafayette Aves. About $120,000. A. Clubb, Goebel Bldg., archt.

***Mich., Ferndale**—Commercial—G. D. Bader, 3002 Woodward Ave., will build 2 story, 80 x 100 ft., brick and steel, brick foundation, on Woodward Ave. About $60,000. Work will be done by day labor. Noted Sept. 25.

Mich., Flint—Lodge House—Odd Fellows' Assn. having plans prepared by Van Leyen, Schilling & Keough, archts. and engrs., 1115 Union Trust Bldg., for 3 story, 66 x 116 ft., rein.-con., brick, steel, terra cotta and stone, rein.-con. flooring, concrete foundation, on Harrison and 4th Sts.

Mich., Grand Rapids—Theatre—Regent Theatre Co., Bond St., having plans prepared for 3 story, 100 x 100 ft., rein.-con., brick and steel, rein.-con. flooring, on Crescent and Bond Sts. About $300,000. G. M. Lindsey, 2321 Dime Bank Bldg., Detroit, engr. and archt.

Mich., Highland Park (Detroit P. O.)—Theatre—Hamilton Theatre Co., care C. H. Crane, archt., Huron Bldg., Detroit, plans to build 3 story, 68 x 170 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Highland Ave. About $300,000.

Mich., Highland Park (Detroit P. O.)—Theatre—J. H. Kunsky, Inc., 501 Madison Theatre Bldg., Detroit, having plans prepared by C. H. Crane & E. G. Kiehler, archts., Huron Bldg., Detroit, for 2 story, 100 x 180 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Hamilton Blvd. About $250,000.

Mich., Highland Park (Detroit P. O.)—Theatre—Tuxedo Theatre Co., care L. W. Lehmkuhle, 1254 Philadelphia Ave., Detroit, plans to build 2 story, 135 x 140 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Hamilton Blvd. About $200,000. Architect not selected.

Mich., Strathmoor—School Dist. No. 4, care H. T. Hart, P. O. Box 84, having plans prepared for 2 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $100,000. W. H. Adams, Vinton Bldg., Detroit, engr. Butterfield & Butterfield, 1113 David Whitney Bldg., Detroit, archts. Noted June 19.

Ill., Chicago—Bank—Cosmopolitan State Bank, 1159 North Clark St., receives bids about March, building 1 story, 50 x 150 ft. rein.-con. and steel, concrete foundation, on Chicago Ave. and Clark St. About $200,000. Schmidt, Garden & Martin, 104 South Michigan Ave., archts.

Ill., Chicago—Office—Crane Medicine Co., 730 North Franklin St., plans to build 8 story, 100 x 130 ft., brick and rein.-con., on Chicago Ave., and Orleans St. About $250,000. Architect not announced.

Ill., Chicago—Home—Cook Co., voted $1,000,000 bonds to build juvenile home.

Ill., Chicago—Theatre—Asher Bros., 220 South State St., receive bids in spring, building 1 story, 90 x 90 ft. rein.-con. and steel, rein.-con. flooring, concrete foundation, on State St. near Randolph St. About $1,000,000. H. L. Newhouse, 4630 Prairie Ave., archt.

Wis., Janesville—Bank and Office—Bank of Southern Wisconsin, care M. R. Fish, Whitewater, having plans revised by R. A. Messmer & Bro., archts., Majestic Bldg., Milwaukee, for 3 story, 60 x 110 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, here. About $75,000.

Wis., Marshfield—Bank—First Natl. Bank receives bids about Jan. 1, building 2 story, 50 x 100 ft. brick and stone. About $150,000. H. G. Hambright, cashier. A. A. Guilbert, Robinson Bldg., Racine, archt. Noted Sept. 18.

Wis., Spooner—School—Bd. Educ. having plans prepared by W. L. Alban, archt., 347 Endicott Bldg., St. Paul, Minn., for 2 story, 60 x 134 ft. stone. About $75,000. Incorrectly noted Aug. 7, under "Spooner, Minn."

Wis., West Allis (Milwaukee, P. O.)—Exhibit—Wisconsin Dept. Agriculture, Capitol Bldg., Madison, plans to build 1 story, automobile exhibit building, brick and steel, concrete foundation, at State Fair Park, here. About $50,000. Architect and engineer not selected.

Ia., Aurelia—School—Bd. Educ. having plans prepared by W. Gordon, archt., 319 Hubbell Bldg., Des Moines, for 3 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, here. About $165,000.

Ia., Cushing—School—City voted $107,000 bonds to build 3 story school. Architect not selected.

Ia., Fairfield—High School—Bd. Educ., Independent School Dist., having plans prepared by W. Gordon, archt., 319 Hubbell Bldg., Des Moines, for 3 story, 75x122 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation. About $125,000.

Ia., Fairfield—School—City voted $100,000 bonds to build school.

Ia., Iowa City—Home—State Bd. Control, Des Moines, having plans prepared by Proudfoot, Bird & Rawson, archts., Hubbell Bldg., Des Moines, for 3 story, 60 x 130 ft., nurses' home, here, brick, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $150,000.

Ia., Larabee—School—Bd. Educ. having plans prepared by W. E. Hulse & Co., archts., 210 Masonic Temple, Des Moines, for 3 story, 82 x 139 ft., brick, rein.-con. and stone, concrete foundation. About $130,000. H. Montgomery, secy.

Ia., Marshalltown—Hotel and Theatre—A. McComb of Hotel Corp. having plans prepared by J. J. Cooper, archt., 317 Fleming Bldg., Des Moines, for 6 story, rein.-con. and brick, rein.-con. flooring, concrete foundation, on 2nd and Main Sts. About $400,000.

Ia., Olds—School—Bd. Educ. having plans prepared by Keffer & Jones, archts., 204 Masonic Temple, Des Moines, for 2 story, 62 x 150 ft., rein.-con. and brick, consolidated school, rein.-con. flooring, concrete foundation. About $110,000. J. E. Stuckey, secy.

Ia., Rock Rapids—School—City voted $150,000 bonds to build school. Architect to be selected at once.

Ia., Stennett—School—Bd. Educ. had plans prepared by W. Gordon, archt., Hubbell Bldg., Des Moines, for 2 story, 44x81 ft. brick, concrete and steel, rein.-con. flooring, concrete foundation. About $60,000.

Ia., Waterloo — Church — First Baptist Church, 500 Jefferson St., having plans prepared for C. P. Shockley, archt., 719-20 Black's Bldg., for 2 story, 95x116 ft., brick, rein.-con. and steel, concrete foundation. About $125,000.

Ia., Woodbine—School—School Bd. having plans prepared by W. E. Hulse & Co., archts., 210 Masonic Temple, Des Moines, for 3 story, rein.-con., brick and stone, concrete foundation. About $100,000.

Minn., Buhl—High School—St. Louis Co. School Dist. No. 35 rejected bids received Nov. 7, building 3 story, 65 x 195 ft., rein.-con. and brick, rein.-con. flooring, concrete and rock foundation, on Chestnut ... About $250,000. Work may be readverti... later. Noted Oct. 30.

Minn., Columbia Heights—School—Bd. Educ. having plans prepared by ...croft & Boerner, engrs. and archts., 833 Palace Bldg., Minneapolis, for 3 story, concrete and brick. About $100,000.

Minn., Duluth—B. C. Wade, sec. Y. M. C. A., 3rd Ave. E., soon lets contract building 3 story, 75x113 ft., rein.-con., steel and brick, rein.-con. foundation, on Central Ave. About $100,000. German & Jenssen Exch. Bldg., archts.

Minn., Northfield—Church—First Methodist Church having plans prepared by H. W. Jones, archt., Thompson Yards, Inc., Minneapolis, for 1 story, 60 x 125 ft., brick and stone. About $60,000.

Minn., St. Paul—School—H. W. Austin, city pur. agt., soon lets contract building Homecroft School, 2 story, 84x140 ft., rein.-con. and brick, on Field Ave. About $80,000. C. A. Hausler, City Hall, archt.

Kan., Holyrood—School—City voted $73,000 bonds to build school. Architect not selected.

Kan., Stockton—Court House—Comrs. Rooks Co. rejected bids received Nov. 4, building 4 story, 79 x 98 ft. brick, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $200,000. Work will be readvertised about Mar. 1. F. C. Squires, 628 Kansas Ave., Topeka, archt. Noted Oct. 23.

Neb., Grand Island—Theatre—J. Weil Theatrical Co., Kansas City, Mo., having plans prepared by Rapp & Bush, archts., Chicago, for 2 story, brick, steel and rein.-con., rein.-con. flooring, concrete foundation, here. About $100,000.

Neb., Hastings—Temple—Masonic Cathedral Assn. having plans prepared by Keffer & Jones, archts., 204 Masonic Temple, Des Moines, Ia., for 4 story, 125 x 232 ft., rein.-con., steel and brick, rein.-con. flooring, concrete foundation. About $500,000.

Neb., Hastings—Theatre—J. Weil Theatrical Co., Kansas City, Mo., having plans prepared by Rapp & Bush, archts., Chicago, for 2 story, brick, steel and rein.-con., rein.-con. flooring, concrete foundation here. About $140,000.

Neb., Kearney—Hospital—Roman Catholic Congregation plans to build 3 story, 42 x 157 ft., rein.-con., steel and brick, rein.-con. flooring, concrete foundation. About $100,000. J. H. Craddock & Co., 504 Farnman Bldg., Omaha, archts.

Neb., Lincoln—High School—Bd. Educ. had plans prepared and soon receives bids for 3 story, rein.-con., steel and brick, rein.-con. flooring, concrete foundation. Fiske & Meginnis, 533 Bankers Life Bldg., archts. About $600,000. Engineer not selected.

Neb., Lincoln—School—Bd. Educ. having plans prepared by Fiske & Meginnis, archts., 533 Bankers Life Bldg., for 2 story, 70 x 134 ft., brick, steel and concrete addition to Belmont School, concrete foundation. About $90,000.

Mo., Kansas City—Loft—T. C. Bonoke, 3520 Bway., having plans prepared by Keene & Simpson, archts., Kansas City, for 10 story, 100 x 115 ft., rein.-con., on 19th and Walnut Sts.

Mo., St. Charles—Administration—Lindenwood College plans to build 3 story, 90 x 175 ft. concrete and brick. About $300,000. Address J. L. Roemer, pres. J. P. Jamieson, Security Bldg., St. Louis, archt.

Mo., St. Louis—Hospital—Jewish Hospital—5415 Delmar Blvd., plans to build hospital. About $1,000,000. A Waldheim, 4522 Lindell Ave., chn. bd. directors.

Tex., Austin — Exchange — Southwestern Telephone & Telegraph Co., 410 Congress Ave., receives bids about Dec. 1, building 2 story, 85 x 97 ft. rein.-con., rein.-con. flooring, on 9th and Colorado Sts. About $150,000. C. H. Page, Austin Natl. Bank Bldg., archt.

Tex., Ft. Worth—Office—O. E. Haley and L. Russell, Oil Operators Bldg., purchased 4 story building on 10th and Main Sts., and plan to construct 6 story, 25 x 100 ft. addition.

Tex., Sonora—Hotel—Chamber of Commerce plans to build 3 story, 48 room, concrete. Cost to exceed $75,000. A. D. Swartz of Woerner & Co., Sumpter Bldg., Dallas, archt.

Tex., Tyler — Temple — F. & A. M., 209½ Bway, plans to build temple. About $60,000. Architect and engineer not selected.

Okla., Duncan—Court House—Stephens Co., having plans prepared by J. Hicks, archt., Oklahoma, for 3 story, 70 x 84 ft., rein.-con., marble and oak, rein.-con. flooring, concrete foundation, on Main St. About $150,000.

Okla., Enid—Hall—City plans to build convention hall. Garfield farmers will unite in this project and build agricultural hall to be used for stock shows, fairs and sales.

Buildings (Continued)

About $400,000. Architect and engineer not decided.

Okla., Kingfisher—City Hall—City voted $70,000 bonds to build city hall. Architect to be selected at once.

Okla., Norman—Dormitory—University of Oklahoma having plans prepared by W. J. Schmitt, archt., Oklahoma, for 2 dormitories, 95 x 200 ft., on Boyd St. and State Blvd. About $300,000.

Okla., Oklahoma—Theatre—United Theatre Co. soon lets contract building 2 story, 75 x 140 ft., brick, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $250,000. C. Boller & Bro., Kansas City, Mo., archts.

Okla., Okmulgee — Hotel — Chamber of Commerce plans to build 7 story, concrete and brick, on Main St. About $450,000. R. W. Budd, secy. Architect not decided.

Okla., Tulsa — Church — Sacred.. Heart Church, 15th and Rockford Sts., plans to build. About $300,000. A. Standaert, pastor. Architect and engineer not selected.

Colo., Denver—Office—State Bldg. Comn., Capitol Bldg., soon lets contract building 5 story, 112 x 114 ft., on Colfax Ave. and Sherman St. About $500,000. W. N. Bowman, Central Saving Bank Bldg., archt.

Utah, Salt Lake City—Theatre—Loew Enterprises, 1492 Bway, New York City, plans to alter Casino Theatre, here. About $150,000. T. W. Lamb, 644 8th Ave., New York City, archt. and engr.

Wash., Seattle—Church—Third.. Church Christ, Scientist, plans to build 2 story, 80 x 83 ft., concrete, at 4756 17th St., N. W. About $75,000. G. F. Dunham, North West Bank Bldg., Portland archt.

Wash., Seattle—Theatre—Loew's Enterprises, 1492 Bway., New York City, plan to alter Palace Hippodrome Theatre, 2nd and Spring Sts., steel and brick, brick foundation. About $150,000. T. W. Lamb, 644 8th Ave., New York City, archt.

Wash., Tacoma—Theatre—Loew's Enterprises, 1492 Bway., New York City, plan to alter Hippodrome Theatre, 823 Pacific St., steel and brick, brick foundation. About $100,000. T. W. Lamb, 644 8th Ave., New York City, archt.

Ore., Portland—Church—First Spiritualist Church plans to build 2 story, stone, or East 7th and Hassals Sts. About $60,000. W. Miller, 645 Tenins St., pres. Architect not selected.

Ore., Portland — Hospital — Hahnemann Hospital plans to convert 5 story, rein.-con. building on East 2nd and Multnomah Sts., into homeopathic hospital, (100 beds capacity). Cost $250,000. About $40,000 now avialable. W. Ladd, pres. bd. trustees.

Ore., Portland—Temple—Labor Unions having revised plans prepared by Houghtaling & Dougan, Henry Bldg., and W. W. Lucius, Lewis Bldg., archts., for 4 story, fireproof, temple. About $200,000. Former bids rejected.

Ore., Portland—Theatre—Loew Enterprises, 1492 Bway., New York City, plan to alter Hippodrome, Bway and Yamhill St., brick and steel. About $150,000. T. W. Lamb, 644 8th Ave., New York City, archt. and engr.

Cal., Fresno—Theatre—Loew Enterprises, 1492 Bway, New York City, plan to alter Hippodrome, 2019 Fresno St., brick and steel. About $100,000. T. W. Lamb, 644 8th Ave., New York City, archt.

Cal., Los Angeles—Theatre—Loew Enterprises, 1492 Bway, New York City, plan to alter Hippodrome, 320 South Main St., brick and steel. About $150,000. T. W. Lamb, 644 8th Ave., New York City, archt.

Cal., Sacramento—Theatre—Loew Enterprises, 1492 Bway, New York City, plan to alter Hippodrome, 1013 K St., brick and steel. About $150,000. T. W. Lamb, 644 8th Ave., New York City, archt.

Cal., San Diego—Theatre—Loew Enterprises, 1492 Bway, New York City, plan to alter Hippodrome, brick and steel. About $150,000. T. W. Lamb, 644 8th Ave., New York Cit, archt.

Cal., San Francisco—Theatre—Loew Enterprises, 1492 Bway, New York City, plan to alter Hippodrome, 160 O'Farrell St., and Casino Theatre, 198 Ellis St., brick and steel. About $100,000 and $150,000, respectively. T. W. Lamb, 644 8th Ave., New York City archt.

Cal., San Jose—Theatre—Loew Enterprises, 1492 Bway, New York City, plan to alter Hippodrome, brick and steel. About $100,000. T. W. Lamb, 644 8th Ave., New York City, archt.

Cal., Stockton — Theatre — Loew Enterprises, 1492 Bway, New York City, plan to alter Hippodrome, 27 North Sutter St., brick and steel. About $150,000. T. W. Lamb, 644 8th Ave., New York City, archt.

BIDS DESIRED.

N. Y., Lockport—Bank—Until Dec. 3, by P. A. Davis, archt., 1713 Sansom St., Phila., building 1 story, 50 x 60 ft., stone, for Natl. Exch. Bank, 45 Main St. About $50,000.

N. Y., Wards Island—Hospital—Until Dec. 10, by State Hospital Comn., Capitol, Albany, building 2 story, 58 x 98 ft., brick and rein.-con., concrete foundation, for Manhattan State Hospital, here. About $100,000. L. F. Pilcher, Albany, state archt. Noted Nov. 6.

Pa., Phila.—Bank—A. L. Levy, archt., 3960 Pennsgrove St., is receiving bids for 1 story, 40 x 95 ft., brick, marble and terra cotta, at 4022 Girard Ave., for United Bank & Trust Co. About $50,000.

N. C., Kinston—School—Until Dec. 5, by J. A. Salter, state archt., Raleigh, constructing 4 brick buildings at Coswell Training School, here, for State Bldg. Comn., Raleigh. About $100,000.

O., Troy—School—Until Dec. 9, by H. Sheaver, clk. Bd. Educ., Concord Twp., Miami Co., building 2 story, 72x90 ft. brick, concrete floors and foundation. About $100,000. O. D. Howard, 8 East Broad St., Columbus, archt.

Mich., Detroit—Engine House—Until Dec. 8 (change of date) by Fire Comn., Larned St., building 2 story, 40 x 80 ft. rein.-con., brick and stone, rein.-con. flooring, brick foundation, on 12th and Labelle Sts. About $50,000. Spier & Gehrke, 1317 Chamber Commerce Bldg., archts.

Mich., Detroit—School—Until Dec. 1, by Bd. Educ., 50 Bway, building 2 story, 58 x 211 ft. school with 44 x 62 ft. wing, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Maplewood and Spokane Aves. About $170,000. Malcomson & Higginbotham, 404 Moffat Bldg., archts.

Mich., Detroit—Theatre—Until Nov. 29, by M. H. Finkel, archt., 303 Chamber Commerce, building 2 story, 38 x 115 x 190 ft., brick and steel, rein.-con. flooring, concrete foundation, on Grand River Ave., for H. C. Keywell, 501 Old Whitney Bldg. About $90,000. Noted Nov. 20.

Ia., Ainsworth—School—Until Dec. 1, by Bd. Educ., Consolidated Dist., building 3 story, 60 x 85 ft. brick, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $75,000. H. C. Ecklund & Co., McKinnie Bldg., Moline, Ill., archts.

Ia., Waterloo—Theatre—Until Dec. 1, by Palace Theatre Co., 508 Sycamore St., building 1 story, 68 x 128 ft., brick, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $150,000. M. B. Cleveland, 601605 1st Natl. Bank Bldg., archt.

Minn., Hibbing—School—Until Dec. 15, by H. Watue, city clk., building 2 story, 75 x 150 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, on 3rd St. About $100,000. W. T. Bray, Torrey Bldg., Duluth, archt. and engr.

Kan., Wochita—School—Until Dec. 1, by J. L. Leland, secy. Bd Educ., building 3 story, 88 x 247 ft. rein.-con., brick and stone, rein.-con. flooring. About $350,000. L. Schmitt, 121 North Market St., archt. H. A. Noble, Kansas City, Mo., engr. Noted July 3.

Cal., Oakland—Hospital—Until Dec. 22, by Supervs. Alameda Co., constructing 4 story, rein.-con., brick, and steel, rein.-con. flooring, concrete foundation, on 14th Ave. and Vallecito Pl., to include service building; 2 ward buildings and connecting corridor About $535,000. H. H. Meyers, 1201 Kohl Bldg., San Francisco, archt.

PRICES AND CONTRACTS AWARDED

(*Indicates award of contract)

***N. H. Hanover**—Dormitory—Dartmouth College let contract building 5 story, 60 x 280 ft., brick and rein.-con., rein.-con. flooring, concrete foundation, on campus, to H. P. Cummings Constr. Co., Ware, Mass. About $400,000.

Mass., Boston—Jail—City received bids Nov. 5, building 3 story, 60x100 ft., brick and concrete annex, concrete foundation, on Charles St., from Langan & Shore, Boston, $248,500; McGahey & O'Connor, 551 Columbia Rd., Cambridgeport, $253,000; C. S. Cunningham & Sons, 7 Water St., $261,900.

***Mass., Boston**—Mercantile—E. L. Snider, 18 Tremont St., let contract building 7 story, 60x100 ft., rein.-con., rein.-con. flooring, concrete foundation, on East St. near Essex St., to N. Hurwitz, 1255 Boylston St. About $300,000.

***Mass., Boston**—School—Bd. Educ. let contract building 2 story, 60 x 32 ft., brick, concrete foundation, on Cheverus St., to C. S. Cunningham, 7 Water St., $134,950.

***Mass., Holyoke**—Theatre, Stores and Office—Goldstein Bros., Springfield, let contract building 4 story, brick, concrete and steel, on Chestnut and Suffolk Sts., here, to Casper Ranger, Constr. Co., 20 Bond St. About $500,000.

***N. Y., Long Island City**—High School Bd. Educ., 500 Park Ave., New York City, let contract building brick and steel addition to Newtown High School, brick foundation, to T. Dwyer, 216th St., Bronx. Cost $781,000.

***N. Y., New York**—Dormitory—R. D. Kohn, archt. and engr., 56 West 45th St., let contract to J. A. Henderson, 30 East 42nd St., building 3 story, 50 x 75 ft., and 3 story, 27 x 56 ft., brick and steel, brick foundation, for United Odd Fellows Home, Havemeyer Ave. About $125,000. Sept. 11.

***N. Y., New York**—Home—Montefeiro Home, 210th St. and Gun Hill Rd., let contract building 5 story, brick, steel and stone, brick foundation, to Hegeman-Harris, 33 West 42nd St.

***N. Y., New York**—Hotel—Twenty-Two East 70th St. Corp., 52 William St., will build 12 story, brick and steel, brick foundation, at 22 East 70th St. About $400,000. Work will be done by day labor.

***N. Y., New York**—Store—Opperheim-Collins Co., 35 West 34th St., let contract building 6 story, 50 x 100 ft., brick and steel, brick foundation, at 24 West 57th St., to R. A. Cowan, 30 East 42d St. About $400,000.

***N. J., Bayonne**—School—Bd. Educ. let general contract building P. S. No. 1, to G. W. Cranwell & Sons, Union St., West Hoboken, $243,400, P. S. No. 4, to Egan & Mortague, 1 Montgomery St., Jersey City, $243,255, heating and ventilating for both, to Gillis & Geoghan, 537 West Bway, New York City, $62,878, electrical work to Dugan & Forest, 505 Bway, $17,968; plumbing, to J. Reid, 608 Bway, $37,600. Noted Sept. 25.

***Pa., Phila.**—Administration—Link Belt Co., Hunting Park and Phila. & Reading R. R. let contract building 4 story, 60 x 180 ft., brick, stone and concrete, to W. Steele & Sons Co., 16th and Arch Sts.

***Md., Cumberland** — Theatre — Cumberland Amusement Co. let contract building 1 and 2 story, 80 x 138 ft., rein.-con., steel, brick, tile and terra cotta, rein.-con. flooring, concrete foundation, on Baltimore St., to G. A. Fuller Co., Munsey Bldg., Washington, D. C. About $150,000.

***Md., Curtis Bay** (Baltimore P. O.)—Bank—Industrial Bank of Baltimore, Munsey Bldg., let contract building 1 story, 56 x 60 ft., rein.-con., steel and brick, concrete foundation, opposite Curtis Bay Hotel, here, to Frainie Bros. & Haigley, 18 Clay St., Baltimore. About $50,000. Noted Sept. 11.

***W. Va., Martinsburg**—School—Bd. Educ. let contract building brick school on Winchester Pike, to A. R. Small, Martinsburg $81,500.

***N. C., Greensboro**—Hotel—O. Henry Hotel Co. let contract building 4 story brick addition, to C. G. Wright, Greensboro. About $200,000.

***N. C., Wilson**—Hotel—R. A. Cherry let contract building 7 story, 183 room, hotel, to J. W. Stout, Sanford. About $375,000.

***N. C., Winston-Salem**—Hotel—A. W. Galloway let contract building 50 x 100 ft., to J. L. Couse, Greensboro. About $85,000.

***O., Cleveland**—Theatre—Loew Theatres, 1492 Bway., New York City, let contract building 4 story, 125x175 ft., concrete, steel and brick, rein.-con. flooring, concrete foundation, on 17th St. and Euclid Ave., here, to Fleischman Constr. Co., 316 Permanent Bldg. About $300,000. Noted Aug. 14.

***O., Galion**—Bank—Commercial Savings Bank let contract altering steel and brick bank, to G. F. Dalton, 533 East 102nd St., Cleveland. About $50,000.

***O., Steubenville**—Bank and Office—Steubenville Savings Bank let contract building 12 story, 110x195 ft., concrete, steel and brick, rein.-con. flooring, concrete foundation, to R. Kitchen & Co., Tomlinson Ave., Wheeling, W. Va. About $75,000. Noted Oct. 30.

***Mich., Amasa**—High School—Bd. Educ. let contract building 3 story, 100 x 170 ft., rein.-con. and brick, concrete foundation, to G. A. Gustafson, Norway. About $125,000. Noted Nov. 13.

Mich., Detroit—School—Bd. Educ., 50 Bway, received bids for masonry work, building 2 story, rein.-con., brick and steel, rein-con. flooring, concrete foundation, on Kenilworth Ave., from Culbertson & Kelly, 809 Ford Bldg., $72,985. F. N. Cooper, Penobscot Bldg., $74,000, A. J. Smith Constr. Co., Campau Bldg., $82,897; carpentry work, from Harcus & Co., 774, Russell St., $14,126, E. Thiede, 287 Berlin St., $15,550, H. M. Martens Co., 221 Moffat Bldg., $17,553; heating, ventilating and plumbing, from Irvine & Meier, 2289 Woodward Ave., $32,488, O'Connor. Bros., Vinton Bldg., $38,891, Drake-Avery Co., 40 State St., $39,887. Noted Nov. 13.

***Wis., Sun Prairie** — Church — Sacred Heart Church let contract building 64x170 ft. brick and steel, concrete foundation, to Stegerwald & Co., Sun Prairie. About $80,000. Noted Oct. 16.

***Minn., Chisholm**—Recreation—City let contract building 2 story, 251 298 ft., rein.-con., steel and brick, rein.-con. flooring, concrete foundation, on West Lake Ave., to Mc Leod & Smith, Sellwood Bldg., Duluth, $391,265. Noted Nov. 20.

Buildings (Continued)

*Minn., St. Paul—Fire Station—City will build 2 story, 40 x 90 ft. steel and brick, on Dale and University Aves. About $55,000. Work will be done by day labor.

*Minn., St. Paul—School—City will build 2 story, 60x140 ft., brick and hollow tile, on St. Clair St. About $90,000. Work will be done by day labor.

*Kan., Wichita—Court House—Wheeler Kelley, Hakr.ey Co., 215 East Douglas Ave., let contract building 6 story, 75x135 ft. brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, to G. Siedhoff Constr. Co., 121 North Market St. About $350,000; cost plus percentage basis.

*S. D., Sioux Falls—Exchange—Northwestern Telephone Co., 10th St. and Dakota Ave., let contract building 3 story, 31x76 ft. addition, to Sioux Falls Constr. Co., 619 North Main Ave. About $125,000; cost plus percentage basis.

*Mo., St. Louis—School—Bd. Educ., 9th and Locust Sts., let contract building 3 story, 71x167 ft., concrete and brick, rock foundation, at 6107 Southwest St., to E. Gerhard, 615 Post Dispatch Bldg. About $209,000.

*Tex., Weatherford—Hotel—Weatherford Hotel Co. let contract building 4 story, 60x100 ft., to A. O. Harvey, Abilene. About $100,000. Noted Aug. 28.

*Cal., Los Angeles—Store and Office—Story Bros., Story Bldg., let contract building 13 story, 119 x 153 ft., rein.-con., marble and terra cotta, on Spring St., to W. Crowell. About $750,000. Los Angeles Stock Exchange, lessee ground floor.

Federal Government Work

PROPOSED WORK

R. I., Newport—Piers—Spec. 4090—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build new piers, here. About $90,000.

Pa., Phila.—Cranes—Spec. 4092—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build two 5-10 ton hammer head cranes. Cost $100,000.

Md., Baltimore—Dredging—U. S. Engr. Office, Custom House, rejected bids received Sept. 29, dredging channel in Patapsco River from Ft. McHenry Channel toward Ferry Bar. Noted Sept. 11.

D. C., Wash.—Storage Plant—Spec. 4035—Bureau Yards & Docks, Navy Dept., rejected bids received Nov. 12, completing storage plant for fuel oil, here. Noted Nov. 6.

Va., Norfolk—Cranes—Spec. 4092—Bureau Yards & Docks, Navy Dept., Wash. D. C., plans to build one 5-10 ton hammer head cranes, here. Cost $50,000.

S. C., Charleston—Heating—Spec. 4091—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to heat torpedo storehouse, here. About $7,700.

La., New Orleans—Dredging—U. S. Eng. Office, Custom House, rejected bids received Oct. 22, dredging canal between Mennentau and Calcasien Sect. of Intercoastal Canal, here. Noted Oct. 16.

Ind., North Vernon—Post Office—Treas. Dept., Wash., D. C., rejected bids received Nov. 4, building post office, here. Noted Oct. 16.

N. D., Bismark—Quarters and Mess Hall—Dept. Interior, Office of Indian Affairs, Wash., D. C., rejected bids received Oct. 15, building brick quarters and mess hall, for employees, here. C. Sells, comr. Noted Sept. 18.

Wash., Keyport—Officers' Quarters—Bureau Yards & Docks, Navy Dept., Wash., D. C., received no bids Nov. 19, building 3 quarters for officers, at Naval Training Sta., here. About $21,000. Noted Nov. 6.

Cal., San Diego—Balloons and Hangars—Spec. 4087—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build 2 kite balloons and 3 seaplane hangars. Cost $111,000.

BIDS DESIRED.

Va., Harrison—Extension of Post Office—Until Dec. 10, by Treas. Dept., Wash., D. C., extending Post Office and Court House building here. J. A. Wetmore, superv. archt.

W. Va., Wheeling—Gate Operating Machinery—Until Dec. 16, by U. S. Engr. Office, Wheeling, W. Va., furnishing and delivering gate operating machinery for Dams Nos. 23, 25 and 27, Ohio River.

Fla., Tampa—Radio Towers—Spec. 4088—Until Dec. 10, by Bureau Yards & Docks, Navy Dept., Wash., D. C., removing and rebuilding two 200 ft. towers, here. Cost $3,500; $10 deposit required for plans and spec. Noted Oct. 23.

Ky., Dawson Springs—Post Office—Until Dec. 10, by Treas. Dept., Wash., D. C., building, here. J. A. Wetmore, superv. archt.

Kan, Kansas City—Plumbing—Until Dec. 12, by Treas. Dept., Wash., D. C., changing plumbing in Post Office and Court House, here.

Cal., Mare Island—Electric Lighting and Power Systems—Spec. 3982—Until Dec. 3 (change of date), by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing, here. About $25,000; $10 deposit required for plans and spec. Noted Aug. 28.

PRICES AND CONTRACTS AWARDED

(*Indicates award of contract)

*R. I., Newport—Elevator—Spec. 4057—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing electric freight elevator, at Torpedo Sta., here, to Burwak Elevator Co., 216 Fulton St., New York City, N. Y. Cost $4,485 (90 days). Noted Oct. 30.

*N. J., Tuckerton—Painting—Radio Towers—Spec. 4083—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract painting radio towers and masts, here, to Malakatis Painting Co., 608 Union Trust Bldg., Wash., D. C., $2,265; (60 days). Noted Oct. 16.

*D. C., Wash.—Boiler—Treas. Dept., Wash., D. C., let contract installing 200 h. p. water tube boiler at Bureau of Engraving & Printing, to W. G. Cornell Co., 923 12th St., N. W., $9,755. Noted Oct. 16.

*D. C., Wash.—Derrick—U. S. Engr. Office, War Dept., let contract building 1 stiff leg derrick, to Lambert Hoisting Eng. Co., 117 Pioneer St., Newark, N. J., $5,475.

*D. C., Wash.—Sprinkler System—Treas. Dept. let contract installing sprinkler system in building at 412-16 14th St., N. W., to Globe Automatic Sprinkler Co., 511 Munsey Bldg., Baltimore, Md., $5,670. Noted Oct. 23.

*D. C., Wash.—Walks and Driveway—A. Ridley, care Pub. Bldgs. & Grounds, let contract building walks and driveway, to C. H. Tompkins, 1883 3rd St., N. W. About $14,000.

*Ill., Chicago—Dredging—U. S. Eng. Office, 537 South Dearborn St., let contract dredging in Indiana Harbor Canal, to Great Lakes Dredge & Dock Co., 104 South Michigan Ave., $11,520.

*Cal., San Diego—Scraping, Cleaning and Painting Radio Towers—Spec. 4067—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract scraping, cleaning and painting three 600 ft. steel towers at Naval Radio Sta., here, to Kootz & Banks, 616 Hight St., Portsmouth, Va., $8,288 (30 days). Noted Oct. 30.

Miscellaneous

PROPOSED WORK.

Piers—New York, N. Y.—Dept. Docks. Pier "A," North River, plans to build 6 piers along Jamaica Bay between Barren Island and Mill Basin, each 1,000 ft. long and 125 ft. wide.

Transformer Station—New York, N. Y.—W. Whitehall, archt. and engr., 32 Union Sq., receives bids about Dec. 10, building 3 story, 45x75 ft., rein.-con. and steel transformer station, rein.-con. flooring, concrete foundation, at 421-423 East 6th St., for New York Edison Co., Irving Pl. and 15th St. About $60,000.

Coal Yard—Dayton, O.—R. H. Ball Coal Mining Co., 322 Huffman Ave., plans to construct coal yard, to include 1 story, brick office building, concrete bins, hoppers, etc., on Livingston and Pennsylvania R. R. About $25,000.

Fire Protection Equipment — Detroit, Mich.—City soon receives bids furnishing 400 double hydrants, four hundred 6 in. gatevalves, 400 gate boxes, 85 tons, special castings, 80 tons 6 in. c. i. pipe, 20 tons pig lead and 2000 lbs. packing. About $70,225.

Paving Material—Detroit, Mich.—Bd. Co Rd. Comrs. Wayne Co., soon let contract furnishing granite, trap rock, limestone, pebbles, sand, cement and expansion joint filler. E. N. Hines, 220 County Bldg., chn.

Lighting System—Green Bay, Wis.—City having plans prepared for ornamental lighting system in business streets. About $20,000. Vaughn & Meyer, Security Bldg., Milwaukee, engrs.

Trucks and Trailers—Milwaukee, Wis.—P. Bramar, comr. Pub. Wks., has asked that $50,000 be appropriated to purchase auto trucks and trailers for hauling ashes and garbage.

Cement—Minneapolis, Minn.—K. E. Alexander, city purch. agt., soon receives bids for 100,000 bbls. Portland cement. Cost about $2.72 with sacks in car load lots, $2.90 local delivery.

Levee—Platte City, Mo.—Quindaro Bend D. D., care Jacoby Eng. Co., engrs., 527 Shukert Bldg., Kansas City, soon receives bids building levee, Platte Co., 4 mi. long, 7 ft. high, involving 125,000 cu. yd. excav.

Telephone Line—Tulsa, Okla.—Comrs. Tulsa Co. granted permission to M. A. Phelps, engr., Tulsa, to use 10 mi. of right-of-way along Tulsa-Sand Springs Rd., to install rural telephone lines, to serve residents between here and Sand Springs. About $15,000.

Fire Hydrants, Water Mains, Etc.—Anacortes, Wash.—City Council plans to improve side streets by installing fire hydrants, connections, and 6 in. water mains. About $5,000. W. D. Cartwright, engr.

Power System—Astoria, Ore.—[illegible] Comm. plans to install underground electric power system through port property, including building of concrete transformer house; wires to carry 11,000 volts. About $17,000. R. R. Bartlett, engr.

Bulkhead—Seaside, Ore. — Breakwater Club having preliminary plans prepared for ornamental bulkhead wall with steps from streets to beach along entire seaside waterfront. About $100,000. M. [illegible] Hardesty, councilman.

Bulkhead—Seaside, Ore.—City plans election to vote on $20,000 bonds to build cement bulkhead from 12th Ave. S. to Hotel Seaside. G. W. Bosche, city engr.

Fender Piling—San Francisco, Cal.—Bd. Pub. Wks. soon lets contract constructing fender piling on 3rd Stover Channel Waterway. About $10,000. M. M. O'Shaughnessy, city engr.

BIDS DESIRED.

Tunnel—Pittsburgh, Pa.—Until Dec. 2 by J. P. Moore, controller, Allegheny Co., 5th Ave. and Grant St., building public highway tunnel through Mount Washington, 5690 ft. long, with one 325 ft. and one 274 ft. approach, and consist of 2 separate parallel tubes or tunnels, 26 ft. wide, 59 ft. between centers.

Electric Pumps—Sault Ste Marie, Mich.—Until Dec. 22 by A. J. Eaton, city clk., furnishing 4 electric pumps for pumping station.

Heating, Plumbing, Etc.—Austin, Minn.—Until Dec. 3, by Bd. Educ., for heating, plumbing, electricity and water softening system, in school, here. About $32,000. F. Tustison, Auditorium, Minneapolis, engr.

Lumber—Minneapolis, Minn.—K. E. Alexander, city purch. agt., receiving bids for 3,000,000 ft. 4 x 5 in.—4 x 10 in. yellow pine lumber cut to specified size for creosoted wood paving blocks. About $55.00 per 1,000 ft.

Air Lift Equipment—St. Paul, Minn.—H. W. Austin, city purch. agt., receiving bids for air lift equipment, electric driven air compressor with motor and vertical steel air receiver, for Como Park Pumping Sta.

Hanger—Omaha, Neb.—C. W. Steinbaugh, archt., 662 Brandeis Theatre Bldg., receiving bids building 1 story, 115 x 127 ft. wood and steel hanger for airplanes, concrete foundation, on Chamber of Commerce Field for Chamber of Commerce W. O. W. Bldg. Cost between $20,000 to $30,000.

Levee—Liberty, Mo.—Birmingham D. D. care Jacoby Eng. Co., engrs., 527 Shukert Bldg., Kansas City, receiving bids building Levee, Clay Co., 3 mi. long, 16 ft. high, involving 250,000 cu. yd. excav.

PRICES AND CONTRACTS AWARDED

(*Indicates award of contract.)

*Coal Storage—Malone, N. Y.—Old Line Coal Co., recently incorporated with $50,000 capital stock, let contract building coal storage plant, with 3500 ton capacity, to M. Monaghan, Malone. About $20,000.

Track—Marcy N. Y.—State Hospital Comn., Capitol, Albany, let contract to Scott Bros., Arlington Blk., Rome, $14,893 building sub-grade of spur track, involving 22,000 cu. yd. excav., 35 cu. yd. concrete, 15,000 lb. c. i. pipe laid and 1,000 lb. metal reinforcement, for Marcy Div. of Utica State Hospital, here. Noted Sept 18, under "Excavation and Dredging."

Shed—Baltimore, Md.—City received lowest 2 bids building 1 story, frame shed, on Pier 4, Pratt St., from J. L. Robinson Constr. Co., 1130 West Lafayette Ave., $31,623; Price Constr. Co., Maryland Trust Bldg., $53,400.

*Subway—Cincinnati, O.—City let contract building second section of Rapid Transit Loop, involving excavation of canal bed and construction of subway from Charles to Liberty Sts., to Hickey Bros., Furnace and Mound Sts., Columbus, $498,540. Noted July 17, under "Railways."

*Overhead Grade Crossing—Cleveland, O.—Hydraulic Press Steel Co., Hydraulic Ave., let contract building overhead grade crossing, on Hydraulic Ave., 60 ft. long, 40 ft. wide, concrete, to E. R. Russell, Sincere Bldg. About $20,000.

*Filling—Detroit, Mich.—Dept. Parks and Blvds., 822 Farwell Bldg., let contract filling in site of foundation of Scott Memorial Fountain, West End of Belle Isle, to E. Gray, Continental Ave., $11,250. Noted Nov. 20.

*Dam—Okmulgee, Okla.—City let contract building dam for reservoir, along Deep Fork River, to R. Hopper, Manhattan, Kan. About $20,000; cost plus percentage basis.

The following items were not published during the past month on account of labor difficulties, and for the same reason were not classified in the preceding pages. The first section consists of "Contracts Awarded" and the second "Proposed Work."

Waterworks

★**Mass., Auburn** — Auburn Water Co. will extend water system. About $20,000. Work will be done by day labor.

★**Conn., Groton**—Bilderbeck & Langdon, engrs., 253 State St., New London, let contract to F. D. Miller, Poquetanuck, extending water system, for town. Work involves 13,000 ft. 6-12 in c.i. pipe, etc. About $50,000. Noted Sept. 18.

★**N. C. Franklinton**—Town let contract building waterworks and sewerage system, including deep well and Imhoff tank to J. J. Quinn Co., et al., Franklinton. About $88,000.

★**Ky., Ashland**—Bd. Water Comrs. let contract building 2,000,000 gal. filtration plant, centrifugal pumping plant of seven units and a 35,000 gal. wash water tank, to J. E. Nelson & Sons, 117 North La Salle St., Chicago, Ill.

★**Mich., Hamtramck**—(Detroit P. O.)—Village let contract laying water mains in Yemens, Evaline, Christopher and McDougal Aves., involving 2755 ft. 6 in. and 150 ft. 8 in. c.i. pipe, to J. A. McDace Co., Fairview Ave., Detroit. About $6000. Noted Sept. 18.

★**Ia., Grand Junction**—City let contract building waterworks system, to G. W. Rolland Co., 215 Good Blk., Des Moines, $30,000.

★**Ia., Sheldon**—City let contract building stand pipe, comfort station and elevated steel tank, to Des Moines Bridge & Iron Wks., Tuttle St. between 9th and 11th Sts., Des Moines. About $14,800.

★**Kan., Belle Plaine**—City let contract building complete waterworks system, to E. M. Eby, Welington, $38,300.

★**Kan., Pretty Prairie**—City let general contract extending waterworks system to C. H. Everett, Hutchinson, $10,199; tower and tank to Chicago Bridge & Iron Co., 37 West Van Buren St., Chicago, $7250; pumps to Amer. Well Wks Co., 319 Reliance Bldg., Kansas City, Mo., $2722.

★**N. D., Fairmount**—City let contract building waterworks and well system, to Minneapolis Steel Mchy. Co., 29th and Minnehaha Sts., Minneapolis, Minn., and McCarthy Well Co., Wabasha and Eustis Sts. St. Paul, Minn. About $50,000.

★**Okla., Garber**—City clerk let contracts to Nat'l. Cast Iron Pipe Co., Kansas City Mo., furnishing 22,380 ft. 6-8 in. c.i. pipe, cost $29,343; to Ludlow Valve & Fdry. Co., 510 R. A. Long Bldg., Kansas City, Mo., furnishing twenty-three 6 in. fire hydrants and valves, $1968; to F. C. Brooks & Sons Co., Jackson, Mich., laying pipes, $20,897. Noted Aug. 7.

★**Okla., Picher**—City let contract building water mains and sewers in various streets., to Mackintosh & Walton Co. 1022 State Natl. Bldg., Oklahoma. About $250,000. Noted Mar. 20.

★**Colo., Flagler**—Town Council let contract building waterworks system, to Gordon Constr. Co., Century Bldg., Denver. About $60,000.

★**Ont., York**—Town let contract supplying and laying 3200 lin.ft. 6 in. c.i. water mains, to Murphy Contg. Co., 8 Wychwood Park, Toronto, $12,686. Noted Oct. 24.

Sewers

★**Mass., Boston**—City let contract laying sewers in Bradlee and Thatcher Sts., to F. Drinkwater, 35 Hemlock St., West Roxbury, $11,264. Work involves 1346 ft. 12 in. and 1337 ft. 15 in. vitr. pipe, 1000 cu.yd. earth and 180 cu.yd. rock trenching, etc.

★**Mass., Chicopee**—City will lay 2200 ft. 18 in. vitr. sewer pipe in Meadow and Caroline Sts. About $11,500. Work will be done by day labor. Noted Sept. 11.

★**Mass., Chicopee**—City will lay 24 in. vitr. sewer pipe in Roosevelt Ave. About $15,000. Work will be done by day labor. Noted Aug. 28.

★**Mass., Worcester**—City will extend outfall sewer from present terminus to new disposal plant at Millbury, involving 5300 ft. vitr. pipe. About $30,000. Work will be done by day labor.

★**R. I., Centerville**—Warwick Mills let contract building sand filter beds, 150 x 200 ft. pump house, 25 x 30 ft. c.i. and drain pipe to J. F. McCusker, Phenix. About $35,000.

★**W. Va., Martinsburg**—City let contract building sewage disposal plant, to Cox Contg. & Lumber Co., Martinsburg, $48,562.

★**O., Springfield**—City let contract furnishing and laying 8-24 in. vitr. pipe sewers in Rubsam St. from Race to Light Sts., Race St. from Rubsam to Cedar Sts., and Grant St., to M. J. Cooney, 633 York St., $17,129. Noted Sept. 11.

★**Ill., Clearing**—(Chicago P. O.)—Alvord & Burdick, engrs., 8 South Dearborn St., Chicago, let contract to Amer. Sewer Pipe & Drain Co., 2816 North Washtenaw Ave., Chicago, building sewerage system, involving 3 mi. 12-39 in. sewer pipe (mostly vitr.), for Chicago Clearing & Transfer R.R. About $100,000. Noted July 31.

★**Wis., Chippewa Falls**—City let contract building sewers in various streets, to P. L. McQuillan, 32 West Central St. About $80,000.

★**Wis., Milwaukee** — Sewerage Comn., City Hall, let contract to G. E. Zimmermann, 3102 McKinley Blvd., building 617 ft 54 in. rein.-con. sewer in 13th St., from Clybourn, to St. Paul Aves., $36.90 per ft., rein.-con. overflow chamber, $4000, total $26,767.

★**Wis., Viroqua**—City let contract furnishing and laying vitr. pipe sewers, etc., in various streets to W. F. Ribbens, Mayville. $13,306. Noted Sept. 18.

★**Ia., Davenport**—City let contract building storm drainage sewers from 3rd to 5th Sts., east on 15th Ave. to 9th St. and 12th Ave. and east on 12th Ave to 11th. St., to Natl Constr. Co., Davenport, $60,000.

★**Minn., Breckenridge**—City let contract building sanitary and storm sewerage system, to W. Fraser, 810 Guardian Life Bldg., St. Paul. About $31,000. Noted Sept. 18.

★**Minn., Duluth**—City let contract building outlet sewer in 2nd Ave., E. from Michigan St. to Lake Ave., to C. R. McLean, c/o City Engineer, $11,772. Work involves 220 ft. 4 x 5 and 4 x 6 ft. concrete pipe and 975 cu.yd. earth trenching. Noted Sept. 4.

★**Minn., Foley**—H. Bettendorf, village clk., let contract installing sewerage system and disposal plant, to Pastoret Constr. Co., 510 Lyceum Bldg., Duluth. Noted Sept. 4.

★**Minn., Lamberton**—City let contract installing 13,823 ft. 8 in., 1471 ft. 10 in. and 1875 ft. 12 in. vitr. pipe sewers, to Kircher Bros., Olivia, $34,350. Noted Sept. 4.

★**Kan., Chapman** — City let contract laying sanitary sewers and storm drains in various streets, to Reed & Wheelock, Clay Center, $53,040

★**Kan., Coldwater**—City let contract building sewerage system, to Ashland Constr. Co., Tecumseh, Neb. About $59,000.

★**N. D., Carrington**—City let contract furnishing and laying 2218 lin.ft. 8 in. sanitary sewer pipe, 2248 lin.ft. 15 in. storm water sewer pipe, 2554 lin.ft. 6 in. water main pipe, 6 man holes and 7 fire hydrants, to Haggart Constr. Co., 60 Broadway, Fargo., $21,148.

★**N. D., Minot**—City let contract laying 3000 lin.ft. 12-15 in. vitr. storm sewers in various streets, to J. W. Kemper, Minot, $22,885.

★**Mont., Sidney**—City let contract building 8900 lin.ft. 18 in. outfall sewers in various streets, to S. O. Oliver, Glendive. $15,012.

★**Tex., Gorman**—City let contract building sanitary sewerage system and sewage disposal plant, to Winslett Eldredge Co., 1001 Main St., Dallas. About $159,000.

★**Okla., El Reno**—City let contract building sewage disposal plant and extending sanitary sewerage system, to Tibbets & Pleasant, 204 Daniel Bldg., Tulsa, $91,002. Noted Aug. 7.

★**Okla., Garber**—City let contract building sewers, involving 28,864 ft. 8-12 in. vitr. clay pipe, 59 manholes, 18 flush tanks, 500 cu.yd. excav. and 120 cu.yd concrete, to L. A. Galleciez, 1509 West Cherokee Ave., Enid, $51,048. Noted Sept 18.

★**Okla., Pawhuska**—City let contract improving sewerage system, to Hamilton Bros. Constr. Co., Junction City, Kan., $55,090.

★**Colo., Denver**—City let contract building South Side Special Sanitary Sewer No. 6, involving 7900 ft. 8 in. vitr. pipe and 35 manholes, to F. C. Dreher Contg. Co., 811 Cooper Bldg., $11,276.

★**N. M., Santa Fe**—City let contract building sewerage system, in 7 blocks, to Gordon & Sons, care W. Turley, city engr., Santa Fe, $46,540.

★**Idaho, Buhl**—City let contract building sewers in Dists. Nos. 3 and 4, to C. H. Mull, Buhl, $26,845 and $34,300 respectively. Noted Aug. 26.

★**Wash., Cashmere**—City let contract building sewers in Dists. Nos. 7 and 8, to Burke & Sengfelder, Cashmere, $11,549.

★**Cal., Huntington Beach**—City let contract building 240,000 ft. 5 in. tile drains on sugar beet ranch, to La Bolsa Tile Co., Huntington Beach.

★**Ont., London**—City let contract supplying and laying 11,300 ft. 8-15 in vitr. sanitary sewers, to W. McCracken, 481 Central Ave., and T. Murphy, Hayman Hall, $73,420 and $16,300 respectively. Noted Sept. 18.

★**Alta., Edmonton**—City let contract building trunk sewerage system, to Jackson & Webster, 9638-109 A Ave. About $20,400.

Bridges

★**Me., Mechanic Falls**—Town and State Highway Comn., Augusta, let contract building 2 span, girder bridge on concrete abutments, 108 ft. long, 20 ft. roadway, to J. H. Kerrn, Rumford. Work involves 180 cu.yd. rein.-con., 500 cu.yd. concrete, 35 ton steel, 6500 lin.ft. wooden piling, 1500 cu.yd. earth approach and fill, 350 cu.yd. excav., 400 ft. wood guard rail, 250 cu.yd. rip rap, 350 lin.ft. sheet piling, etc. Cost $41,721.

★**Mass, Westboro**—Boston & Albany R. R., South Sta., Boston, will build steel and concrete bridge on East Main St., to replace present one, and repair concrete roadway under bridge. About $30,000. Work will be done by day labor.

★**Conn., New Haven**—City let contract repairing Neck Bridge, on State St., concrete and steel, to C. A. Sibley & Co., 902 Chapel St. About $23,000. Noted July 17.

★**New Jersey**—State Highway Comn., Trenton, let contract building bridges Nos. 46, 174, 45 and 172, Route No. 3, Camden Co, to L. J. Sieling, Red Bank, $35,058. Noted Sept. 11.

★**W. Va., Morgantown**—Comrs. Monongalia Co. let contract building piers and abutments for Cheat River bridge at Ices Ferry, to H. C. Gilmore Co., Morgantown. About $30,654.

★**N. C., Goldsbore** — State Highway Comn., Raleigh, let contract building steel and concrete bridge over Neuse River, here, to Roanoke Iron & Bridge Co., Roanoke, Va., $46,180. Noted Sept. 25.

★**N. C., Kingston**—Comrs. Lenoir Co. let contract building 348 ft. rein.-con. bridge, here, 16 ft. wide, to have 1 draw span and 2 fixed spans, to Roanoke Iron Bridge Co., Roanoke, Va. $38,000. Noted Sept. 25.

★**Ala., Birmingham**—Bd. Revenue Jefferson Co. let contract building 100 ft. rein.-con. slab bridge over Five Mile Creek on Lewisburg Rd., 20 ft. roadway, to F. N. Dobson, Montgomery, $14,560. Work involves 300 cu.yd. rein.-con., 18 tons steel and 225 cu.yd. stone. Noted Sept. 18.

★**Ind., Indianapolis**—Comrs. Marion Co. let contract building bridge over Canal, on North Illinois Sts., to Natl. Concrete Co., 1600 South West St., $25,860.

★**Wis., Clintonville** — Waupaca Co. (Waupaca) let contract building Buchholz bridge, rein.-con., Matteson Twp. to Worden-Allen Co., 33rd and Burnham Sts., Milwaukee, $12,548.

★**Wis., Lake Geneva**—City let contract building 42 ft. steel and concrete bridge, 30 ft. wide, concrete abutments and approaches to Michie Constr. Co., Camp Bldg., Milwaukee, $14,990. Noted Aug. 28.

★**Wis., Whitehall**—Trempealeau Co. let contract building McClary Bridge, Gale Twp., 120 ft. steel truss, 20 ft. wide, to La Crosse Bridge Co., La Crosse. About $13,500.

★**Minn., Duluth**—Comrs. St. Louis Co. let contract to W. S. Hewitt, Metropol-

Bridges (Continued)

itan Bank Bldg., Minneapolis, building Bridge No. M-6-21-1, $4897, No. M-6-28-1, $3750, No. M-6-23-1, $1150, No. M-5-34-1, $999, involving 386 cu.yd. concrete and 20,693 cu.yd. reinforcing steel; O'Shea & Sons, 526 Ridgewood St., Minneapolis, No. Q-7-9-1, $19,992, No. R-7-22-1, $2865, 261 cu.yd. concrete, 17,982 cu.yd. reinforcing and 129,460 cu.yd. structural steel; Hennepin Bridge Co., 922 Laurel Ave., Minneapolis, No. C-0-36-1, $3377, No. C-9-32-1, $1897, No. I-8-3-1, $3084, No. G-1-9-1, $2760, No. G-0-18-1, $9697, 466 cu.yd. concrete, 22,257 cu.yd reinforcing and 70,879 cu.yd. structural steel; Minneapolis Bridge Co., 1033 Metropolitan Life Bldg., Minneapolis, No. M-0-6-1, $16,440; No. N-0-7-1, $21,283, No. N-0-14-1, $19,530, No. N-1-9-1, $18,441, No. N-1-32-1, $15,314, 1373 cu.yd. concrete, 68,963 cu.yd. reinforcing and 334,440 cu.yd. structural steel and 3058 lin.ft. piling; L. E. Baum, 2305 Ogden Ave., Superior, Wis., No. M-1-8-2, $5320, No. M-1-8-1, $4078, No. M-1-7-1, $5504, No. M-1-10-1, $5256, No N-0-6-1, $6780, No. N-1-34-1, $6644, 814 cu.yd. concrete and 66,497 cu.yd. reinforcing steel Noted Sept. 11.

★**Minn., Moorhead**—A. O. Hughum, aud. Clay Co., let contract building Bridge No. 3013, to J. A. Jardine, Fargo, N. D., $19,897. Noted Sept. 25

★**Kan., Topeka**—Shawnee Co. let contracts building Menoken and Mud Valley bridges, to Kansas City Bridge Co., 510 Orear Leslie Bldg., Kansas City, Mo., $14,878 each; Forbes Bridge to Capital Iron Wks., 7th and Holliday Sts., Topeka, $4551; Foster Bridge, to N. E. Marsh & Co., 205 Masonic Temple, Des Moines, Ia., $30,566.

★**Neb., Central City**—H. V. Nelson, clk. Hamilton Co. (Aurora), let contract building 800 ft. bridge, 24 ft. wide, to Western Bridge & Constr. Co., 648 Bee Bldg., Omaha, $83,990. Noted Sept. 11.

★**Neb., Grand Island**—H. V. Nelson, clk., Hamilton Co. (Aurora), let contract building rein.-con. bridge on line between Hall and Hamilton Counties, 24 ft. wide, to have sixteen 50 ft. arches and 40,000 cu.yd. fill, to Western Bridge & Constr. Co., 648 Bee Bldg., Omaha, $84,975 plus $.38 per yard for fill.

★**Neb., Henry**—V. B. Kirkham, clk. Scotts Bluff Co., (Gering) let contract building 600 ft. bridge, here, to Allied Contractors, Inc., Omaha, $65,925. Noted Sept. 18.

★**Neb., Morrill**—V. B. Kirkham, clk. Scotts Bluff Co., (Gering), let contract building 600 ft. bridge, 16 ft. wide, here, to Allied Contractors Co., Inc., Omaha, $57,950. Noted Sept. 18.

★**Neb., Minatare**—V. B. Kirkham, clk. Scotts Bluff Co., (Gering), let contract building 600 ft. bridge, 16 ft. wide, here, to Allied Contractors, Inc. About $57,000. Noted Sept. 18.

★**Neb., Scotts Bluff**—V. B. Kirkham, clk. Scotts Bluff Co., (Gering), let contract building 600 ft. bridge, 16 ft. wide, here, to Allied Contractors, Inc., Omaha. About $75,600. Noted Sept. 18.

★**South Dakota**—State Highway Comn., Pierre, let contract building pier and abutments for 300 ft. steel bridge, 16 ft. wide, over White River between Jackson and Washington Counties, to J. Stainer, Pierre, $6955; steel contract for superstructure for above involving 237,000 tons steel, to Bethlehem Steel Co., Bethlehem, $13,935. Superstructure will be erected by day labor.

★**Wyo., Lander** — State Legislature, Chevenne, let contract building 20 ft. steel bridge, on Wind River Rd., Fremont Co., to Monarch Eng. Co., West Colfax Ave. and Larimer St., Denver, Colo., $12,365.

★**Mont., Billings**—Yellowstone Co. let contract building 175 ft. steel span bridge over Yellowstone River, here, to Security Bridge Co., 502 North 32nd St., $21,600.

★**Mont., Melrose**—Silver Bow Co. (Butte) let contract building concrete bridge over Big Hole River, here, 16 ft. wide, to have two 100 ft. steel spans on concrete abutments and concrete center pier, to J. R. Silver, 501 West Galena St., Butte. About $16,900.

★**Ark., Marion** — Bd. Comrs. Rd. Impvt. Dist. No. 7, Crittenden Co., let contract, to Larimer & Burget Bridge Co., Randolph Bldg., Memphis, Tenn., building 17 bridges involving 1460 cu.yd. rein.-con., 270 cu.yd. plain concrete, 155,000 lb. reinforcement, 750 cu.yd. excav., cost $95,554; Rd. Impvt. Dist. No. 8, 17 bridges involving 820 cu.yd. rein.-con., 180 cu.yd. plain concrete, 92,000 lb. reinforcement, 560 cu.yd. excav., $56,672; Rd. Impvt. Dist. No. 9, 8 bridges, involving 700 cu.yd. rein-con., 130 cu.yd. plain concrete, 93,000 lb. reinforcement, 430 cu.yd. excav., $50,574. Noted Oct. 16.

★**Colorado**—State Highway Comn., State Museum Bldg., Denver, let contract building 3 concrete bridges on Denver-Colorado Springs Rd., to F. Bullen, 303 West 17th St., Pueblo, $34,000

★**N. M., Santa Fe**—City let contract building 60 ft. concrete bridge over Arroyo Mascaros. 20 ft. wide, to Midland Bridge Co., Dallas, Tex. About $12,000. Noted July 24.

★**Wash., Pasco**—Auditor Franklin Co. let contract building 1556 ft. steel bridge over Snake River, near here, consisting of one 301 ft. cantilever, two 259 ft. anchor arm, two 260 ft. and one 217 ft. spans and approaches; for Franklin and Walla Walla Counties, to J. R. Woods, Seattle, $211,120. Noted Aug. 28.

★**Wash., Walla Walla**—Comrs Walla Walla Co. let contracts to Union Bridge Co., Portland, building 2 bridges over Yellow Hawk Creek, one 48 ft., including concrete diversion dam and 8 ft. concrete culvert, and one 34 ft. near Prospect Point, also 20 ft. bridge over Russell Creek, cost $19,571; 2 bridges over Touchet River, Touchet Twp., one double and one single span, and grading and graveling 2 1-5 mi. road, $54,010; to H. C. Malott, Seattle, building 3 concrete bridges over Dry Creek, including one 12 ft., one 20 ft., and one 40 ft., cost $13,940.

★**Oregon**—State Highway Comn., Portland, let contracts to A. Anderson, Grants Pass, building crossing over Southern Pacific Ry., Jackson Co., involving 190 cu.yd. class "A" concrete, 39,000 lb. reinforcing and 24,000 lb. structural steel, and 190 lin.ft. timber approach, $14,576; to Rees & Davis, Hermiston, building crossing over Oregon Washington R. R. & Navigation, Morrow Co., involving 175 cu.yd. class "A" concrete, 40,000 lb. reinforcing steel, 950 lin.ft. wooden piling, 180 lin.ft. concrete handrail and 114 lin. ft. timber approach, $13,240, also bridge over Willow Creek, Gilliam Co., involving 185 cu.yd. class "A" and 200 cu.yd. class "B" concrete, 32,000 lb. reinforcing and 56,000 lb. structural steel and 280 lin.ft. concrete handrail, $12,725.

★**Oregon**—State Highway Comn., Portland, let contract building bridge over Sand Creek, Pacific Highway, Douglas Co., to C. Gardner, Portland, $11,903. Work involves 225 cu.yd. class "A" concrete, 35,000 lb. reinforcing steel, 226 lin.ft. concrete handrail. Noted Sept. 25.

★**Cal., Santa Paula**—City let contract building bridge over Santa Clara River, to have 10 Howe trusses each 92 ft. span, wood floor, concrete abutments and concrete pile piers, to W. Ledbetter & Co., Pacific Electric Bldg., Los Angeles, $49,500.

★**Que., Herbertville**—Municipal Council let contract building steel bridge, to E. Tremblay, Herbertville. About $32,000.

★**Que., North Timiskaming**—Provincial Government, Quebec, let contract building 600 ft. steel highway bridge across River des Quinze, here, 24 ft. wide, to consist of two 60 ft. spans and two 240 ft. spans, to Hamilton Bridge Co., Bay St., N., Hamilton, Ont. About $130,000.

★**Ont., Pickering** — Dept. Highways, Parliament Bldgs., Toronto, let contract building 80 ft. rein.-con. bridge, clay soil pile foundations, 24 ft. wide, over Rouge River, here, involving 500 cu.yd. rein.-con. to J. McGinnity, Pickering. About $15,000. Noted July 24.

Streets and Roads

★**Massachusetts**—State Highway Comn., Boston, let contract building 7100 ft. bituminous macadam road. 18 ft. wide, Worthington Twp., involving 125 cu.yd. concrete, 12,000 cu.yd. earth and 1200 cu. yd. rock excav., 4400 ton broken stone filling, 3000 gal. bituminous macadam, etc., to Middlesex Constr. Co., Medford, $51,430; 2900 ft., 18 ft. wide, Northfield Twp., involving 1380 ton broken stone, 11,600 gal. bituminous macadam, 2500 cu. yd. earth and 160 cu.yd. rock fill excav. to Lane Constr. Co., 37 Colony St., Meriden, Conn., $10,974; state road, 18 ft. wide. Williamstown Twp., involving 185 cu.yd. concrete, 500 cu.yd. earth excav., 1400 ton broken stone, 14,000 gal. bituminous macadam, to J. W. Duff Co., Summer St., Boston, $16,475.

★**Massachusetts**—State Highway Comn., Boston, let contract building 5300 ft. bituminous macadam road, 18 ft. wide, Wareham Twp., involving 2600 ton broken stone, 23,400 gal. bituminous material, 1500 cu.yd. earth, 500 cu.yd. rock excav. to W. Jones. Barnstable. $17,[illegible]; 5500 ft., 18 ft. wide, Princeton Twp., 12,800 gal. bituminous macadam, 1600 ton broken stone, 3460 cu.yd. stone fill, 450 cu.yd earth and 300 cu.yd. rock excav., to L. C. Corchia, Boston, $24,781; 2000 ft., 18 ft. wide, Lexington Twp., 1470 ton broken stone, 9200 gal. bituminous macadam, 2700 cu.yd. earth and [illegible] cu.yd rock excav., to J. Gaffney, Medford, $11,824. Noted Sept. 18.

★**Massachusetts**—State Highway Comn., Boston, let contract for 5200 ft. road, 18 ft. wide, Lanesborough Twp., to D. J. Walsh Co., Pittsfield, $40,078. Work involves 1850 cu.yd. concrete, 1700 cu.yd stone fill and 3700 cu.yd. earth excav. Noted Sept. 11.

★**Mass., Boston**—City let contract paving Tremont St., involving 1900 sq.yd. granite block, 24,750 sq.yd. asphalt on 6 in. concrete base, 9360 sq.yd. concrete sidewalk and 1000 cu.yd. earth fill, to B. E. Grant & Co., 27 School St., $99,035; Hyde Park Ave., involving 25,000 sq.yd. asphalt on 6 in. concrete base, 93,400 sq.yd. concrete sidewalk, 9000 cu.yd. earth and 400 cu.yd. rock excav., to De Matteo Bros., 154 Dudley St., Roslindale, $125,519.

★**Mass., Boston**—City let contracts to Central Constr. Co., School St., paving Green St., 40 ft. wide, West Roxbury, involving 2660 sq.yd. asphalt on 5 in. concrete base. 1500 lin.ft. concrete curbing and 8600 sq.ft. concrete sidewalk, cost $13,016; Amory St., 40 ft. wide, involving 10,800 sq.yd. asphalt on 6 in. concrete base, 3136 lin.ft. concrete curbing and 8390 sq.ft. brick sidewalk, $26,047; to J. Doherty, Boston, Beacon St., 60 ft. wide, involving 6940 sq.yd. wood block on 5 in. concrete base, 2500 lin.ft. concrete curbing, 25,000 sq.ft. concrete sidewalk, $43,055, Federal St., 40 ft. wide, involving 3000 sq.yd. granite and 1510 sq.yd. wood block, 13,500 sq.ft. sidewalk and 350 cu.yd. earth excav., $20,973.

★**Mass., Boston**—City let contract paving Worcester St., 40 ft. wide, to Central Constr. Co., School St., $26,994. Work involves 10,430 sq.yd. asphalt on 6 in. concrete base, 5035 lin.ft. stone curbing, 3614 sq.yd. brick sidewalk and 200 ton stone fill.

★**Mass., Boston**—City let contract paving Brighton Ave., 48-60 ft. wide, involving 1480 sq.yd. granite block, 16,430 sq. yd. asphalt on 6 in. concrete base, 6240 lin.ft. stone curbing and 54,220 sq.ft. sidewalk, to Warren Bros., Berkeley St., $67,204.

★**Mass., Fall River**—City let contract paving Glove and Columbia Sts., to Simpson Bros. Corp., Devonshire St., Boston, $.97 per sq.yd. About $40,000.

★**Mass., Leominster**—City let contract paving 5645 ft. Lancaster St., to D'Onfro Bros. c/o Street Comrs. Work involves 11,290 sq.yd. concrete, 4600 lin.ft. granite curbing, concrete guttering, etc. About $35,000. Noted July 31.

★**Rhode Island**—State Highway Comn., Providence, let contract building 3.6 mi. bituminous macadam road on Plainfield Pike, Foster and Coventry Twps., to B. Perini, Ashland, Mass., $107,807.

★**Connecticut**—State Highway Comn., Hartford, let contract paving 5365 ft. Bantam Lake Rd., Litchfield Twp., to Lane Constr. Co., 52 Colony St., Meriden, $24,000; 10,450 ft. Bethlehem Rd., Morris Twp., to J. De Michael & Bro., 58 High St., Torrington, $40,000; 3837 ft. Grove St., Putnam Twp., to Lindberg & Street, 809 Old South Bldg., Boston, Mass., $32,000; 18,410 ft., Thompson Twp., to A. Vito Constr. Co., Thompson, $75,000, all bituminous macadam, 18 ft. wide. Noted Aug. 28.

★**N. Y., Brooklyn**—E. Riegelmann, boro. pres., let contract regulating and repaving with asphalt, High St., to Sicilian Asphalt Paving Co., 41 Park Row, New York City, $15,555; Liberty St., to Greico Bros., 172 Russell St., $28,323; 4th Ave., to Consolidated Asphalt Paving Co., 522 9th St., $236,970; 86th St., to Brooklyn Alcatraz Asphalt Paving Co., 407 Hamilton Ave., $42,324.

★**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro., let contract to R. A. Hess, Corona, regulating and grading Chaffee St., $216; Wayne St., $1245, to T. Welsh, 149th St., $1197; to Welsh Bros., 39 Queens St., Astoria, Queens Blvd., $7683; to Scott & Kurth, Broad St., $12,293. Noted Sept. 25.

★**N. Y., New York**—Acting President, Manhattan Boro., let contract repairing asphalt pavements in railroad area, when and where directed by chief engineer.

Streets and Roads (Continued)

Bur. of Eng., to Uvalde Asphalt Paving Co., 1 Bway., $16,320. Noted Sept. 18.

★N. Y., **Rochester**—Bd. Contr. & Supply let contract building concrete walks on Monroe Ave., to H. Schoenfeldt, Rochester, $13,183; Maple and Kossuth Sts., to F. L. Hageman, Rochester, $15,-813; also grading, building concrete walks and sewers in Winton Rd., to T. Holahan, Rochester, $32,966. Noted Apr. 24 and May 29.

★N. Y., **Rochester**—Bd. Contr. and Supply let contract to M. Barber, Rochester, paving Wall St. from Court to Ferry Sts., brick, $18,002, Eldridge St. from Emmet to Liberty Sts., concrete, $7948.

★N. Y., **Rochester**—Bd. Contr. & Supply let contract paving Averill Ave., asphalt, to Rochester Vulcanite Paving Co., Exch. Pl. Bldg., $20,696; grading and building concrete walks and sewers in Federal and other streets, to O. Costich Co., Exch. Pl. Bldg., $75,310.

★N. Y., **Rochester**—Bd. Contr. & Supply let contract paving Dartmouth and Grove Sts., asphalt, to Whitmore, Rauber & Vicinus, 279 South Ave., $16,249 and $7260 respectively. Noted July 10.

★N. Y., S. I. St. George—C. D. Van Name, pres. Richmond Boro., let contract regulating and repaving roadway of North Burgher Ave. from Castleton Ave. to point 450 ft. south, bituminous concrete pavement and vitr. brick gutters on concrete foundation, Sharpe Ave. from Richmond Terrace to Staten Island Rapid Transit R.R., bituminous concrete on concrete foundation, to J. E. Donovan, Port Richmond, $16,798. Noted Sept. 18.

★N. Y., S. I. St. George—C. D. Van Name, pres. Richmond Boro., let contract repaving roadway of Manor Rd. between Richmond Turnpike and Willow Brook Rd., sheet asphalt, to J. E. Donovan, Port Richmond, $65,065. Noted Sept. 11.

★N. J., **Jersey City**—City let contract repaving Beacon Ave., asphalt, to W. T. S. Crichfield, Hoboken. About $40,000; cost plus percentage basis.

★N. J., **Jersey City**—City let contract to Crescent Constr. Co., 150 Nassau St., New York City, improving Eastern Parkway from Ocean to Garfield Aves., involving 900 cu.yd. earth excav., $1.40 per cu.yd., 2661 sq.yd. asphalt on 5 in. concrete base, $3.25, 773 lin.ft. 6 x 16 in. cement curb, $1.10; improving Danforth Ave. between Hudson Blvd. and West Side Ave., 1741 cu.yd. earth filling, $1.25, 6979 sq.yd. asphalt on 5 in. concrete base, $3.25, 3885 lin.ft. 5 x 16 in. concrete curb stone $1.25; resetting in concrete and dressing 450 lin.ft. curb stone, $.45; to W. Van Kewien, Grand and Prior Sts., regulating and paving Newark Ave. from Summit to West Side Aves., 210 cu.yd. additional concrete, $9, 7550 sq.yd. granite paving on present concrete base, $5.75, 3300 lin.ft. 5 x 16 in. blue curb stone, $1.25, resetting in concrete and dressing 2000 lin.ft. curb stone, $.40, 1250 sq.ft. cement walk, $.25. Noted Sept. 4.

★**Pennsylvania**—State Highway Dept., Harrisburg, let contracts building roads in counties as follows:

Adams Co., 7857 ft. bituminous surface course on concrete foundation and Hillside vitr. brick or rein.-con., Gettysburg Boro., to W. P. McDonald Constr. Co., Phila., $109,769.

Butler Co., 14,044 ft. rein.-con., Slippery Rock Twp., to N. J. Boyer, Butler, $134,700.

Clarion Co., 16,417 ft. rein.-con., Clarion Twp., to L. H. Hileman Constr. Co., 1st Natl. Bank Bldg., New Kensington, $164,-871.

Chester Co., 10,509 ft. bituminous surface course (penetration method) on telford foundation, East and West Marlboro Twps., to E. M. Humphrey, Hackensack, N. J., $67,363.

Indiana Co., 3812 ft. rein.-con., Blairsville Boro., to M. Bennett & Sons, Indiana, $54,139.

Warren Co., 7936 ft. rein.-con. Sheffield Twp. to Ridelsperger & Savage, Warren, $66,690.

Tioga Co., 24,112 ft. bituminous surface course on concrete foundation or rein.-con., Lawrence Twp. and Lawrenceville Boro., to Adams, Evans Co., 30 Church St., New York City, $191,287. Noted Sept. 11.

★Pa., **Phila.**—Bureau of Highways let contracts grading portions of (a) Cheltenham, Michener and Williams Sts., (b) Dercas St., (c) Jackson St., (d) Osceola St., (e) Oxford St.; paving portions of (f) Hutchinson St., (g) Warrington Ave., (h) Windsor St., (i), 6th St., (j), 7th St., (k) 16th St., (l) 26th St.; repaving portions of old streets with asphalt, (m) Emerald St., (n) Morris St., (o) Ridge Ave., (p) Susquehanna Ave., (q) Kensington Ave. and Front St., (r) Germantown Ave., (s) Columbia Ave.; improving with bituminous macadam, (t) Gresham Valley Rd., to T. Connor, 3329 North 5th St., (a) $28,637; E. P. Bennis, Chew and Price Sts., (b) $2535; R. B. Wenner, Franklin Trust Bldg., (c) $1177; D. McMahon, Germantown and Chelton Sts., (d) $354; T. P. Lee, 5629 Cherry St., (e) $1843; Eastern Paving Co., Colonial Trust Bldg., (f) $5891; (g) $7839, (i) $4760, (j) $5759, (k) $4320; Barber Asphalt Paving Co., Land Title Bldg., (h) $3461, (m) $11,499; Union Paving Co., 30th and Locust Sts., (l) $3822, (n) $36,403, (o) $37,-015, (p) $22,477; J. Meehan & Son, 915 West Dauphin St., (q), $78,018, (s), $51,-589; Cunningham & Murray, 1345 Arch St., (r) $35,645; Mack Paving & Constr. Co., Nicetown Lane and C Sts., (t) $7880. Noted Aug. 28.

★Pa., **Phila.**—Dept. Pub. Wks., let contracts for grading portions of (a) Venango St., (b) Houghton St., (c) Bingham, Lawndale, Montour Sts., Whitaker and Tabor Aves., paving with asphalt portions of (d) 24th Ave. and Jackson St., (e) 21st St., (f) Passyunk St., (g) Shields St., (h) Marlyn Rd., (i), Hurley St., (j), Broad St.; (k) paving with bituminous macadam portion of Jefferson St.; (l) paving with vitr. block portion of Drinker St.; repaving with asphalt portions of (m) 11th St., (n) Tioga St., (o) Point Breeze Ave., (p) Kensington Ave., (q) Jasper St., (r) Hancock St., (s) F and G Sts., (t) Erie Ave., (u) Clearfield St.; repaving with granite block portions of (v) East Berks St., (w) Columbia Ave., (x) Frankford Ave., (y) Germantown Ave., (z) Marlborough St., (a1) Vine St., (a2) 5th St.; repaving with wood block portion of (a3) 12th St.; (a4) building retaining wall (cement concrete) at 55th St. and Phila., Baltimore & Washington R.R., to I. K. Davis Co., 6100 North 20th St., (a) $1122, (c) $10,438;

J. R. Leewright, 426 Seville St., (b) $299;

Barber Asphalt Paving Co., 30th and Race Sts., (d) $34,721, (e) $6903, (g) $3688, (j) $146,243, (k) $2033, (m) $15,356, (n) $5379, (o) $37,582, (p) $60,124, (s) $17,533, (u) $5963;

Union Paving Co., 30th and Locust Sts., (f) $71,017, (q) $14,877, (r) $5435, (t) $25,986;

Eastern Paving Co., Colonial Trust Bldg., (h) $3382, (i) $3607;

D. McMahon, Germantown and Chelton Sts., (l) $6704;

M. J. McCrudden Co., Franklin Trust Bldg., (v) $6908; Ryan Constr. Co., 33rd and Gray's Ferry Rd., (w) $12,200, (x) $61,513, (y) $21,257, (z) $4118, (a1) $46,-831, (a2) $48,957;

J. Meehan & Son, 915 West Dauphin St., (a3) $9930;

O'Neil Co., 27 East Mermaid Lane, (a4) $8790. Noted Sept. 11.

★Md., **Baltimore**—Bd. Awards let contract paving 32 private alleys in Walbrook Sect., cement concrete, to Aiello Contg. Co., 7301 Clairmont Ave., $27,193.

★Md., **Baltimore**—Bd. Awards let contracts to P. Flanigan & Sons, Harford Ave. and Baltimore & Ohio R.R., paving Charles St. from Read to Chase Sts., involving 3400 sq.yd. sheet asphalt on concrete base, cost $11,000; Appleton St. from Baker to Presstman Sts., 1700 sq.yd. sheet asphalt on concrete base, $5738.

★**Virginia**—State Highway Comn., Richmond, let contract building 11 mi. gravel road from Burrowsville to Spratley's Project No. 58, Prince George Co., to Rodgers, Shumway & Co., Portsmouth, $69,487.

★Va., **Richmond**—City let contract to Saville & Claiborne, Richmond Trust & Savings Bldg., building 8000 ft. 8 x 18 in. and 8000 ft. 6 x 16 in. curb and 3700 sq.yd. granolithic gutter, on Chamberlayne Ave., cost $21,607; paving 4th St. 20 ft. wide, involving 5000 sq.yd. concrete, $10,350.

★W. Va., **Charleston**—City let contract paving ½ mi. 7th Ave., involving 8000 sq.yd. bituminous concrete surface on 5 in. concrete base, to West Virginia Bituminous Concrete Corp., St. Albans, $3.48 per sq.yd., total $28,040.

★W. Va., **Keyser**—Mineral Co. let contract grading and surfacing 12 mi. Cumberland-Romne Rd., to Vang Constr. Co., Baltimore, Md., $77,906. Noted Sept. 11.

★W. Va., **Keyser**—Comrs. Mineral Co. let contract building 12.17 mi. Ridgely-Alaska Rd., to Vang Constr. Co., Cumberland, Md., $77,907. Work involves 45,000 cu.yd. earth excav., 5000 cu.yd. rock excav., 62 cu.yd. class "A," 50 cu.yd. class "B" and 50 cu.yd. class "C" concrete, 500 lbs. reinforcing steel, 1792 lin.ft. 12-24 in. corrugated pipe and 4200 cu.yd. gravel surfacing. Noted Sept. 4.

★W. Va., **Lewisburg**—Comrs. Greenbrier Co., let contract building 5 mi. and grading 20 mi. Midland Trail, to Patrick Constr. Co., Clarksburg, $133,000.

★W. Va., **Madison**—Comrs. Boone Co. let contract grading and draining 5 mi. Madison-Foster Rd., to H. H. Hening, Charleston, $80,600.

★W. Va., **Morgantown**—Monongalia Co. let contract building 3 mi. road from Maidsville Landing to Rosedale, to Chaplin, Derr & Van Voorhis, Morgantown. About $102,000.

★W. Va., **Parkersburg**—City let contract paving Avery, Green, Market, 4th and 5th Sts., asphalt, to Federal Asphalt Co., 125 Main St., Hamilton, $61,058.

★W. Va., **Parkersburg**—City let contracts to Kennedy Contr. Co., Parkersburg, concrete paving, Depot St., $10,272; Park St., $10,384; Latroke, Oak, 13th, 16th, 17th, and 18th Sts., $27,584; Beaver St., $12,185.

★W. Va., **Petersburg**—Grant Co. let contract grading 2 mi. road north of here, to H. W. Kaylor, Cumberland, Md., $48,021.

★W. Va., **Princeton**—Comrs. Mercer Co. let contract grading 6 mi. Princeton-Flat-Top Rd., waterbound macadam, to T. Towles & Co., Princeton. About $60,-000. Noted May 22.

★W. Va., **Warwood**—City let contract grading 6372 sq.yd. Warwood Ave. from 3rd St. to city limits, to P. J. Gilligan, 94-14th St., Wheeling. About $26,000.

★W. Va., **Wayne**—Comrs. Wayne Co. let contract grading and draining 7 mi. Wayne-Kenova Rd., 26 ft. wide, to Rogers & Shininry, Lynchburg, Va., $125,260. Work involves 98,500 cu.yd. excav., 482 cu.yd. class A concrete and 2000 lin.-ft. vitr. clay pipe.

★N. C., **Asheboro**—Randolph Co. let contract paving 2 mi. Sunset Ave., Worth, Depot and Fayetteville Sts., 37-40 ft. wide, sheet asphalt, to Adams, Evans & Co., 30 Church St., New York City, $2.67 per yd. Total about $160,000.

★N. C., **Lexington**—City let contract paving principal streets, asphalt, to Noll Constr. Co., 8 East 6th St., Chattanooga, Tenn. About $250,000.

★Ga., **Athens**—Clarke Co. let contract resurfacing 40,000 sq.yd. road, 18 ft. wide, penetration method, to Smith Constr. Co., Atlanta, $80,539. Noted Sept. 11.

★Miss., **Senatobia**—Comrs. Tate Co. let contract grading 85 mi. roads, to F. D. Harvey & Co., Memphis, Tenn., $.40 per cu.yd.

★Ohio—State Highway Comn., Columbus, let contracts grading, building bridges and culverts and paving roads in following counties:

Carroll Co., 3.14 mi. Sect. "A" Canton—Steubenville Rd., waterbound macadam, to P. Deifenbacher & Sons Co., Massillon, $63,615.

Clermont Co., .97 mi. Sect. "J-1" Cincinnati—Chillicothe Rd., waterbound macadam, S. B. Craig, Blanchester, $16,124.

Columbiana Co., .5 mi. Sect. "A" Lisbon—East Palestine Rd., concrete, E. E. McCartney, 769 Wilson St., Youngstown, $26,489.

Crawford Co., 1.3 mi. Sect. "F" Bucyrus—Cresline Rd., bituminous macadam, J. W. Carey, Ada, $38,212.

Licking Co., 1.54 mi. Sect. "P" Columbus—Millersburg Rd., bituminous macadam, F. H. Vogelmeir, Newark, $44,726.

Montgomery Co., 3.35 mi. Sect. "C" Dayton—Germantown Rd., rein.-con., D. A. Onkst & Son, Dayton, $87,136.

Perry Co., .2 mi. Sect. "E-2" Zanesville—New Lexington Rd., brick, Foster & Reigert Co., Dayton, $10,271.

Scioto Co., 6.64 mi. Sect. "I" Portsmouth—Columbus Rd., monolithic brick, W. H. Ringwald & Sons, Chillicothe, $252,285.

2 mi. Sect. "A-2" Portsmouth-Jackson Rd., monolithic brick, S. Monroe & Sons Co., Portsmouth, $80,540.

Coshocton Co., grading and paving .57 mi. Sect. "C" Coshocton—Newcomerstown Rd., monolithic brick, T. J. Norman & Son, West Lafayette, $17,931.

Geauga Co., resurfacing 1.52 mi. Sect. "D" Cleveland—Meadville Rd., concrete, Studebaker & Son, Greenville, $36,692.

★O., **Cleveland**—City let contract paving East 18th St. from Central to Prospect Aves., involving 8260 sq.yd. 4 in. stone, to Riley Bros., 357 The Arcade, $25,077.

★O., **Columbus**—G. A. Borden, pub. serv. dir., let contracts to Cleveland Trinidad Paving Co., The Arcade, Cleve-

Streets and Roads (Continued)

land, grading, draining, curbing and paving 4th St., from Deshler Ave. to Hanford St., cost $11,784, Reinhard Ave. from Heyl Ave. to 32nd St., $13,659, Broad St. from 3rd to 4th Sts., including park spaces, $9898, Colton St. from Kimball Place to Kelton Ave., $20,469; Franklin Asphalt Paving Co., Columbus, grading, draining, curbing and resurfacing Butties Ave. from High St. to Dennison Ave., $12,656; all asphalt.

★**O., Dayton**—City let contract repaving 1200 ft. Forest Ave. from Lehman to Neal Sts., 40 ft. wide, brick, to Finke Eng. Co., 15 South St. Clair St. About $7800. City will furnish material. Total cost, $20,000. Noted Sept. 4.

★**O., Norwalk**—Comrs. Huron Co. let contract paving Sect. "N" Oberlin—Norwalk Rd., 6950 ft. long, monolithic brick, to Modern Constr. Co., Fremont, $39,040.

★**O., Xenia**—City let contract paving Main, Whiteman, Collier, Galloway, Home, Market, Dayton, West 2nd, Union, Orange and Cincinnati Sts., 30 ft. wide, involving 20,000 sq.yd. vitr. brick, 35,000 sq.yd. asphalt and 5000 sq.yd. concrete, to J. E. Conley, 923 Grand Ave. About $220,000.

★**Ind., Indianapolis**—City let contract resurfacing College Ave. from 16th St. to 21st St., to Mansfield Eng. Co., Fletcher Bldg., $14,759.

★**Ind., Indianapolis**—City let contract improving 26th St. from Meridan St. to Capitol Ave., asphalt, to Amer. Constr. Co., Delaware St., $11,952.

★**Ind., Indianapolis**—City let contract paving Brookside Ave., and Bway. from 51st to 52nd Sts., bituminous concrete, to Indiana Asphalt Paving Co., 25th St. and Lake Erie & Western Ry., $5.56 per lin.ft. and $10,581 respectively; Bradley Ave. from Washington St. to second alley south of Washington St., asphalt, to Union Asphalt Co., 308 Amer. Central Life Bldg., $6.70 per lin.ft.; 46th St. from Illinois St. to first alley east of Winthrop Ave., bituminous concrete, to Amer. Constr. Co., 108 North Delaware St., $47,472; resurfacing Washington St. from Belmont Ave. to 538 ft. west of Harris St., asphalt, to Mansfield Eng. Co., 1014 Fletcher Savings & Trust Bldg., $36,805.

★**Ind., Indianapolis**—City let contract paving, curbing and guttering Guilford Ave. from 36th to 38th Sts. to Indiana Asphalt Paving Co., 25th St. and Lake Erie & Western Ry., $13,779.

★**Mich., Detroit**—City let contract resurfacing 1100 ft. Bellevue Ave. from Kercheval to Mack Aves., 26 ft. wide, involving 10,000 sq.yd. asphalt surface on present foundation, to Detroit Asphalt Paving Co., 20 McGraw Bldg., $15,500.

★**Mich., Detroit**—Dept. Pub. Wks. let contract resurfacing Hart Ave. from Kercheval to Mack Aves., involving 16,000 sq.yd. asphalt, to Detroit Asphalt Paving Co., 20 McGraw Bldg., $24,800. Noted Oct. 2.

★**Mich., Grand Rapids**—Kent Co., let contract grading, surfacing and draining 2.75 mi. Little Pine Island Lake Rd., involving 15,100 sq.yd. gravel, to Todd & Kent, c-o Kent Co. Rd. Comn., Grand Rapids, $21,490.

★**Mich., Grosse Pointe**—City let contract grading and paving Rivard Blvd. from Jefferson Ave. north, involving 10,000 sq.yd. asphaltic concrete on 6 in. concrete base, to G. R. Cooke, Penobscot Bldg., Detroit. About $50,000.

★**Illinois**—Dept. Pub. Wks. & Bldgs., Div. of Highways, Springfield, let contract paving Federal Aid Project No. 8, Sect. X, Madison Co., 3.8 mi. 3 in. brick, 2.34 mi. concrete, involving 22,451 cu.yd. excav., 24,760 sq.yd. Portland cement concrete, 40,453 sq.yd. 3 in. monolithic brick, 46.8 cu.yd. Class "A" concrete and 1130 lb. reinforced steel, to C. Degenhardt, Alton, $217,665; 2 concrete bridges, Sect. E. Randolph Co., to W. Melloy, Red Bud. $2975; 1 concrete bridge, Sect. I, Clinton Co., to C. Sims, Huey, $1544.

★**Wis., Manitowoc**—Manitowoc Co. let contract grading, paving and building culverts, bridges, etc., on 21 mi. Lake Shore Rd. from Sheboygan to Green Bay, 20 ft. wide, involving 12,950 sq.yd. concrete, to J. Young & Bro., East Main St., Oconto, $48,113. Noted Sept. 25.

★**Minn., Duluth**—City let contract paving 2560 ft. 2nd Ave., W., from Superior to 7th Sts., 20-34 ft. wide, to E. Johnson & Sons, 570 West 5th St., Superior, Wis., $62,142. Noted Sept. 18.

★**Minn., Farmington**—City let contract paving 20 blocks, to Warren Bros., 142 Berkeley St., Boston, $150,000. Noted Aug. 7.

★**Minn., Grafton**—City let contract for 6850 sq.yd. asphaltic concrete paving and guttering, 3743 lin. ft. concrete curbing and 1333 sq.yd. concrete alley paving, to O'Connor Bros., Grand Forks, N. D., $3.83 per sq.yd.

★**Minn., Owatonna**—Comrs. Steele Co. let contract grading and building culverts on Jobs Nos. 1901 and 1902, 24 ft. wide, to J. Brown, Madison Lake, $11,969 and $11,450 respectively.

★**Kan., Beloit**—Mitchell Co. let contract paving 4 1-4 mi. road, Federal Aid Project No. 1, 18 ft. wide, vitr. brick, to Dalton & Son, Junction City, $163,677.

★**Kan., Bonner Springs**—City let contract resurfacing and oiling 41,400 sq.yd. macadam pavement, to P. P. Young, R. F. D. No. 6, St. Joseph, Mo., $11,905. Noted Sept. 18.

★**Kan., Hutchinson**—City let contract paving Poplar St., brick, to Stamey-Mackey Constr. Co., Hutchinson. Cost $3.39 per yd.

★**Kan., Hutchinson**—Reno Co. let contracts to Stamey-Mackey Constr. Co., Hutchinson, paving Project No. 27, Sect. I concrete, $8087, Sect. F, brick, $254,659, Sect. G, brick $205,222, Project No. 15, Sect. A, brick, $341,301; to Wheeler Keleher Co., Hutchinson, Project No. 27, Sect. A, brick, $253,081, Sect. B, $281,201.

★**Kan., Jewell**—City let contract paving various streets, involving 12,000 sq.yd. concrete, to Central Bridge Co., Mankato $40,816. Noted Oct. 16.

★**Kan., Junction City**—Comrs. Geary Co. let contract building 8 1-2 mi. concrete road, 18 ft. wide, from Junction City to county road line, to Zeigler & Salton, Junction City, $240,910.

★**Kan., Lawrence**—Douglas Co. let contracts paving Federal Rd. Sect. E, to Central Constr. Co. Reliance Bldg., Kansas City, Mo., $21,396; Sect. F, to Gifford Contr. Co., Ry. Exch. Bldg., Kansas City, Mo., $46,471. Noted Sept. 18.

★**Kan., Leavenworth**—Leavenworth Co. let contract paving Sect. A, Fort to Fort Rd., involving 53,414 sq.yd. one course concrete, to Missouri Valley Bridge & Iron Co., Leavenworth, $166,857.

★**Kan., Stafford**—City let contract for 32,000 sq.yd. 3 in. brick pavement on 5 in. concrete base, to M. R. Amerman, Salina, $68,030. Noted Sept. 4.

★**Neb., Lincoln**—T. H. Berg, city clk., let contract paving 2600 ft. 33rd St. from Vine to Holdrege Sts., 30 ft. wide, involving 8300 sq.yd. asphaltic concrete on 5 in. concrete base, 300 sq.yd. concrete, 300 lin.ft. concrete curbing, 5000 lin.ft. guttering and curbing and 1027 cu.yd. earth excav., to Burke, Cochrane Constr. Co., 522-1st Nat'l Bldg., $26,794. Noted Sept. 11.

★**South Dakota**—State Highway Comn., Pierre, let contract to Anderson Constr. Co., Rapid City, improving 11.4 mi. Sect. A, Whitewood Spearfish-Beulah Rd., 36 ft. wide, Lawrence Co., involving 1925 cu.yd. solid rock, 78,445 cu.yd. earth, 4761 cu.yd. loose rock and 46,587 yd. station overhaul excav., 826 cu.yd. class "A" and 200 cu.yd. class "B" concrete, 61,182 lb. reinforcing steel, cost $90,097; 11.54 mi. Sect. B, 39,766 cu.yd. earth and 20,884 yd. station overhaul excav., 16,034 cu.yd. gravel surfacing, to be hauled and placed, 3206 cu.yd. binder for gravel roads, 127 cu.yd. class "B" concrete, $73,211; to Davison Co., Mitchell, 13.95 mi. Mitchell-Plankerton Rd., Davison Co., 50,505 cu.yd. earth and 29,067 yd. station overhaul excav., 20,924 cu.yd. gravel surfacing to be hauled and spread, 314 cu.yd. class "A", and 51 cu.yd. class "B" concrete and 23,277 lb. reinforcing steel, $82,296.

★**South Dakota**—State Highway Comn., Pierre, let contract grading, draining and graveling 17.83 mi. Pierre-Blunt Rd., to Hughes County Comn. Pierre, $69,396.

★**N. D., Minot**—City let contract paving 2 mi. South Main St., 2nd St. N. W. and 4th Ave. N. W., bitulithic, to Hanlon & Oaks, 338 Liberty Exch., Minneapolis, Minn., $59,419.

★**Wyoming**—State Highway Comn., Cheyenne, let contract grading Rocky Ford-Beaulah sect. of Sundance-Beaulah Rd., Crook Co., to Anderson Constr. Co., Rapid City, S. D., cost $84,000; Sect. 1 of Shoshoni-Lander Rd., between Shoshoni and Riverton Twp., Natrona and Fremont Counties to Riverton Constr. Co., Riverton, Wyo., $34,000; Big Goose Rd., Sheridan Co., to R. S. Whitehead, Sheridan, $97,000.

★**Wyo., Casper**—City let contract grading sidewalks. Dists. Nos. 1 [illegible] 2, to Castle & Mechaley, Casper, $[illegible] and $55,475 respectively.

★**Montana**—State Highway [illegible], Helena, let contract gravel surfacing Hamilton-Corvallis Project, Ravalli Co., to H. S. Lord, Hamilton, $24,815 grading 9.83 mi. North Ford Rd., Meagher Co., to J. E. Soden, White Sulphur Springs, $25,159.

★**Montana**—State Highway Dept., Helena, let contract gravel surfacing 4.25 mi. Chinook-Malta Rd., to J. O'Connor, Malta, $22,765.

★**Mont., Whitefish**—City let contract building 30,000 sq.ft. cement sidewalks, to Two Miracle Constr. Co., 357 Ford Bldg., Great Falls, $18,170. Noted Sept. 11.

★**Tex., Beaumont**—Jefferson Co. let contract grading, draining, clearing and grubbing 4.85 mi. Beaumont-Amelia Rd., 16 ft. wide, to Horton & Horton, Beaumont, $148,381. Work involves 17,398 cu. yd. unclassified earth excav., 7696 lb. reinforcing steel, 130 cu.yd. class A and 184 cu.yd. class B concrete, 7082 cu.yd. class B concrete base and 40,072 sq.yd. rock asphalt. Noted May 22.

★**Tex., Beaumont**—Jefferson Co. let contract building 7 mi. Highway No. 8, known as Beaumont-Port Arthur Rd., 16 ft. wide, to Horton & Horton, McKinney and Velasco Sts., Houston, $242,514. Work involves 23,134 cu. yd. unclassified earth excav., 61,610 sq.yd. 2 in. sheet asphalt, 169 cu.yd. Class A and 125 cu.yd. Class B concrete surface, 11,282 cu.yd. class B concrete base, etc.

★**Tex., Boston**—Bowie Co. let contracts to Arkansas Constr. Co., Texarkana, gravel surfacing and draining 4.77 mi. Highway No. 1-B, known as Red-Water Rd., 9 and 16 ft. wide, involving 27,810 cu.yd. unclassified earth excav., 3717 lb. reinforced steel, 41 sq.yd. class A and 15 sq.yd. class B concrete, cost $12,321; 8.64 mi. State Highway No. 5, known as De-Kalb Rd., 16 ft. wide, 50,321 cu.yd. unclassified earth excav., 24,823 lb. reinforced steel, 289 sq.yd. class A and 27 sq.yd. class B concrete, etc., $49,421 county will furnish gravel, $15,323.

★**Tex., Boston**—Bowie Co., let contracts to Arkansas Constr. Co., Texarkana, scarifying, placing, gravel surfacing and building rein.-con. drainage structures on 2.96 mi. Highway No. 1-A, known as Pace's Ferry Rd., 24 ft. wide, involving 3478 cu.yd. gravel, 33 cu.yd. class A and 18 cu.yd. class C rein.-con., cost, $17,878 gravel to be furnished by county, $5566. 3.64 mi. Highway known as Hooks Rd., 16 ft. wide, 4273 cu.yd. gravel, 25,321 cu. yd. unclassified earth excav., 66 cu. yd. class A concrete, 5425 lb. reinforcing steel, etc., $17,710, gravel to be furnished by county, $6837.

★**Tex., Bryan**—Brazos Co. let contract building gravel surfaced and concrete road and concrete drainage structures on 10.33 mi. State Highway No. 2, known as Millican-Navasota Rd., 15 ft. wide, involving 13,763 sq.yd. plain concrete, to Sline, Stanley & Byers, Waco. $103,233 Noted Aug. 28.

★**Tex., Cisco**—City let contract for 50,000 sq.yd. pavement, to P. Brown, Cisco. About $168,000.

★**Tex., Eastland**—Eastland Co. let contract paving 3½ mi. Public Sq., Lamar Seaman and Main Sts., 40-50 ft. wide, 3 in. brick, involving 21,000 lin.ft. combined curb and gutter, to Texas Bitulithic Co., 1101-6 Praetorian Bldg., Dallas. About $475,000.

★**Tex., El Paso**—El Paso Co. let contract paving 5 mi. road from Ascavato to Franklin Cross Roads, to Dudley & Orr, 2101 San Diego St. About $40,000.

★**Tex., Reby**—Fisher Co. let contract gravel surfacing and building rein.-con. drainage structures, bridges and culverts on 9 mi. Highway No. 4, known as Rotan-Aspermont Rd., 16 ft. wide, involving 20 acres clearing and grubbing, 71,520 cu.yd. unclassified earth excav., 44,793 lb. reinforced steel, 467 cu.yd. class "A" and 23 cu.yd. class "B" concrete, etc., to J. F. Hamer, Ft. Worth, $78,279. Noted Aug. 28.

★**Tex., Seguin**—Guadalupe Co. let contracts scarifying, reshaping and gravel surfacing 3.256 mi. highway No. 2 from Bexar Co. line to Comal Co. line, 16 ft. wide, also placing and gravel surfacing 14.6 mi. State Highway No. 3 from here to Gonzales Co. line, 16 ft. wide, to D. La Roe, Chandler, $18,457 and $[illegible],100 respectively. Noted Sept. 11.

Streets and Roads (Continued)

★**Tex., Vernon**—Wilbarger Co. let contract paving 2¾ mi. highway running from here, east, Federal Aid Project No. 37, to H. K. McCollum, 1st Natl. Bank Bldg., Ft. Worth, $184,417. Noted Aug. 21.

★**Okla., Bartlesville**—Washington Co. let contract grading 3 mi. Bartlesville-Ramona State Rd. to E. Horsley, Main St., Ramona. About $12,000.

★**Okla., Collinsville**—City let contract building 30,000 sq.yd. vitr. brick pavement, to Standard Paving Co., 512 Robinson Bldg., Tulsa, $170,285. Noted Sept. 25.

★**Okla., Nowata**—City let contract for 63,000 sq.yd. brick paving, to Park-Moran, Okmulgee, $369,119.

★**Colorado**—State Highway Comn., Denver, let contracts to Levy Constr Co., 630 Symes Bldg., Denver, paving with concrete, 1 mi. road west of Manzanola, $28,980, 1 mi. east from city limits of Fowler, $27,870, 1 mi. east from city limits of Rocky Ford, $32,100, 1 mi. west from city limits of La Junta, $35,000, all in Otero, Co.

★**Colorado** — State Highway Comn., State Museum Bldg., Denver, let contract paving 1.6 mi. concrete road north from Lamar, Prowers Co., to Colorado Bridge & Constr. Co., 306 Gas & Electric Bldg., $47,500; grading 4 mi. Denver-Colorado Springs Rd., to E. Honnen, 316 East Dale St., Colorado Springs, $12,500.

★**Colo., Denver**—City let contract for 11,770 sq.yd. pavement in Alley Paving Dist. No. 50, to J. J. Hines, 2363 Blake St., $22,608; 9760 sq.yd. in Alley Paving Dist. No. 51, to Gibbons & Lawrence, 1041 Galapago St., $20,827. Noted Sept. 18.

★**Colo., Denver**—City let contract paving Acoma Dist. No. 1, asphaltic concrete, to C. S. Lambie Co., Tramway Bldg. $43,-431.

★**New Mexico**—State Highway Comn., Santa Fe, let contract building 5.4 mi. State Rd. No. 15, Federal Aid Project No. 16, to Lea Co. Constr. Co., Lovington, $39,517; 5.4 mi. road between Captain and Ft. Stanton, Federal Aid Project No. 11, to Burgess & La Roe, Palestine, Tex., $42,661.

★**Idaho, Buhl**—City let contract for paving in Dists. Nos. 2 and 3, to Warren Constr. Co., Buhl., $44,442 and $38,072 respectively. Noted Aug. 28.

★**Idaho, Wallace**—Shoshone Co. let contract building 2.95 mi. Yellowstone Trail, near here, to J. N. Nordquist, Wallace, $63,069.

★**Utah, Salt Lake City**—City let contract paving 8th St. S. from 3rd W. to 9th Sts. 18-34 ft. wide, to Campbell Bldg. Co., Newhouse Bldg., $87,796.

★**Utah, Salt Lake City**—City let contract paving 3.66 mi. Ogden St. and 2.26 mi. Roy St., to F. E. Phelps, Brigham City, $100,413 and $60,324 respectively.

★**Utah, Salt Lake City**—Salt Lake Co. let contract building 3.25 mi. Redwood Rd. south from 33rd St. S., 20 ft. wide, to Clifton, Applegate & Toole, Billings, Mont, $103,146.

★**Nevada**—State Highway Comn., Carson City, let contract building 7.57 mi. road between Leeteville and Fallon, to Armstrong & Baker, Elko, $45,713.

★**Washington**—State Highway Comn., Olympia, let contract to Rajotte, Forbert & Winters, Spokane, clearing, grading and draining 12.2 mi. Inland Empire Highway from Ellensburg to Roza Kittitas Co., involving 62,465 cu.yd. earth and 90,905 cu.yd. loose excav., at $.60 per cu.yd. each, 54,570 cu.yd. solid excav., $1.50, 92,500 cu.yd. overhaul, $.03, total $198,534; J. T. Smith, Seattle, 4.8 mi. Pacific Highway from Seattle to Lake Forest Park, King Co., 132,740 cu.yd. earth excav., $.60, 363,500 cu.yd. overhaul, $.04, 22,314 lbs. steel bars, $.08, 254.25 sq.yd. 1st class concrete, $30., total $121,292; T Peterson, Eatonville, 3.6 mi. Natl. Park Highway from La Grand to Alder, Pierce Co., 13,994 cu.yd. earth, 22,714 cu.yd. loose and 44,857 cu.yd. solid excav., at $.70, $.90 and $2.55 respectively, 20,785 cu.yd. overhaul, $.03, total $147,-207; R. O. Wahlgren, Forks, 2 mi. Olympic Highway from Forks south, Clallam Co., 24,060 cu.yd. earth and 1980 cu.yd. solid excav., $20,932. Noted Sept. 4.

★**Washington — State Highway Bd.** Olympia, let contract to K. L. Goulter, Seaview, clearing and grading Ocean Beach Highway from Nasel to Bear River, involving 117,990 cu.yd. earth excav. at $.70 per cu.yd., 24,640 cu.yd. solid rock excav., $2.25 per cu.yd., and 175,760 cu.yd. overhaul, $.06 per cu.yd., total $195,014.

★**Wash., Aberdeen**—City Council let contract replacing east end trestle with permanent highway, 3200 ft. long, 24 ft. wide, including 440 lin.ft. concrete viaduct, to Puget Sound Bridge & Dredging Co., Central Bldg., Seattle. About $72,-000, cost plus 10 per cent. Work involves 23,000 cu.yd. filling, 5000 sq.yd. riprap, 650 cu.yd. concrete and 50,000 lb. reinforcing steel.

★**Wash., Charleston**—City Council let contract paving Wycoff St. from 1st to 6th Sts., and Cambrian St. from 3rd to 4th Sts., involving 13,000 sq.yd. concrete, 4200 lin.ft. concrete curbing and 6000 cu.yd. earth excav., to R. G. Stevenson, 1327 Ewing St., Seattle. About $43,000

★**Wash., Davenport**—Comrs. Lincoln Co. let contracts to F. T. Young, Davenport, grading and graveling 3.5 mi. Rd. No. 4 from Odessa west to Adams Co. line and 4.62 mi. Odessa—Adams Co. line Rd. No. 6, cost $32,925 and $32,737 respectively.

★**Wash., Davenport**—Lincoln Co. let contract building 11 mi. Donahue Rd. No. 5 from Harington south, involving 70,000 cu.yd. common excav., and 19,000 cu.yd. gravel, to C. M. Payne, 724 Mission St., Spokane, $86,348.

★**Wash., Everett**—City Council let contract paving Norton Ave. from Hewitt to 22nd Aves., involving 8171 sq.yd. 8 in. concrete, to J. W. Hoover & Co., Everett, $30,717.

★**Wash., Pomeroy**—City let contract crushing and spreading cliff-rock on West Main St. to R. Hender, Pomeroy, $12,000 Noted May 29.

★**Wash., Port Orchard**—City Council let contract paving Bay St., et al, involving 5993 sq.yd 7 in. concrete, to Sound Paving Co., Seattle, $26,100.

★**Wash., Ritzville**—Comrs. Adam Co. let contract grading and surfacing 19¾ mi. Permanent Highway 4-A, crushed rock and gravel, to Mitchell Bros., East 127 Mission St., Spokane. About $168,000.

★**Wash., Seattle**—Bd. Public Wks. let contract paving Westlake Ave. N., et al, involving 11,500 cu.yd. excav., 8400 lin. ft. armored concrete curb and 18,150 sq.yd 7 or 8 in. concrete paving, to Fiorito Bros., Seattle, $74,455.

★**Wash., Tacoma**—Comrs Pierce Co. let contracts to Warren Constr. Co., Journal Bldg., Portland, paving 1.75 mi. road from Sumner to foot of Elhi Hill, involving 3602 cu.yd. common excav., 17,180 sq.yd. concrete and 18,506 lin.ft. concrete curbing, cost $47,033; 1.94 mi. Elhi Hill Rd. from foot to top, 2000 cu.yd. earth excav., 21,797 sq.yd. concrete and 20,528 lin.ft. concrete curbing, $49,055. Noted Aug. 14.

★**Oregon**—State Highway Comn., Portland, let contracts to A. D. Kern, foot of Mill St., Portland, improving 8 mi. The Dalles-Rowena Rd., Wasco Co., involving 58,000 cu.yd. common excav., (concrete pipe) $76,425, 11.5 mi. Unit No. 4, Service Creek-Valedes Ranch Rd., 18 ft. wide, Wheeler Co., involving 103,000 cu.yd. common excav., (iron pipe) $154,561; to Lake Co. Court, Lakeview, 11.1 mi. Lakeview-Crooked Creek, Sect., Lake Co. involving 17,000 cu.yd. gravel macadam and 58,000 cu.yd. common excav., (screened gravel) $140,795, 1.8 mi. Lakeview-South Sect., Lake Co., involving 2800 cu.yd. gravel and 8000 cu.yd. common excav., (f.o.b.); $13,867; to J. F. Clarkson, 608 Yeon Bldg., Portland, 12 mi. Unit No. 3, Service Creek-Valedes Ranch Rd., 18 ft. wide, Wheeler Co., involving 19,000 cu.yd. mixed excav., $115,-537, 12.5 mi. Unit No. 2, Service Creek-Valedes Ranch Rd., 18 ft. wide, involving 74,000 cu.yd. mixed excav., (both iron pipe) $126,935; to O. Huber, Sherlock Bldg., Portland, Heppner-Gilliam Co. Line, Sect. Oregon-Washington Highway, Gilliam Co., involving 197,000 cu.yd. common excav. (iron pipe) $146,494; to J. Hampshire, Grants Pass, 6.1 mi. Unit No. 1, Remote-Camas Valley Sect. Myrtle Creek-Roseburg Highway, Coos Co., involving 112,000 cu.yd. common excav., (iron pipe) $151,372, 8.1 mi. Unit No. 2, Remote-Camas Valley Sect. Myrtle Creek-Roseburg Highway, Coos Co., involving 150,000 cu.yd. common excav., (iron pipe) $198,721; to Johnston Contr. Co., 311 Lumber Exch. Bldg., Portland, 9 mi. Mosier-Rowena Sect. Columbia River Highway, 18 ft. wide, Wasco Co., involving 171,000 cu.yd. common excav., (concrete) $223,628; to Marion Co. Court, Salem, 1.2 mi. Bordner Hill-Wain Hill Sect. Pacific Highway, Marion Co., involving 1600 cu.yd. gravel.

★**Oregon**—State Highway Comn., Salem, will gravel 7.9 mi. Baker-Middle Bridge Sect. Baker-Cornucopia Highway, Baker Co., involving 10,500 cu.yd. gravel. About $34,800. Work will be done by day labor

★**Oregon**—State Highway Comn., Portland, let contract macadamizing 6.4 mi. Hood River-Mosier Sect. Columbia River Highway, Hood River Co., involving 12,-800 sq.yd. waterbound macadam, to A. D. Kern, foot of Mill St., Portland, $31,020 Noted Sept. 25.

★**Ore., Astoria**—City let contract paving Hume St., from Bond to Commercial Sts., concrete, to H. Makela, Astoria, $6664; laying plank sidewalks and dressing Agate St. from Florence to Alameda Sts., to J. Mattson, Astoria, $3233; 29th St. from Franklin to Grand Sts., to W. Jacobsen, Astoria, $2321.

★**Ore., The Dalles**—City Council let contract paving east link Dalles City-Columbia River Highway, to United Contg. Co., Northwest—Bank Bldg., Portland, $19,503; 1000 ft. east link Dalles City-Columbia River Highway, engineers station 0+00 to 4+00, to Tronzano Bros., The Dalles, $11,453. Noted Sept. 25.

★**California**—State Highway Comn., 515 Forum Bldg., Sacramento, let contract building 10.7 mi. Sect. B, Route 34, Div. 3, Federal Aid Project No. 2, between Ione and Jackson, Amador Co., to T. M. Onley, 358 Vernon St., Oakland. Noted Sept. 25.

★**Cal., Fowler**—City let contract paving, building concrete gutters and cement curbs on 2½ blocks Merced St., to H. Crummey, Hearst Bldg., San Francisco, $18,000.

★**Cal., Sacramento**—City let contract paving 21st St. from Y St. to Freeport Blvd., to Clark & Henery Constr. Co., Ochsner Bldg. About $25,000. Work involves grading, 4 in. concrete paving with 1½ in. bitulithic surface, cement curbs, gutters and sidewalks.

★**Cal., San Bernardino**—City let contract paving Palm and Agate Sts., 22 ft. wide, 4 in. concrete and stone curbs, to R. T. Shea & Co., Riverside, $25,440.

★**Cal., San Bernardino**—City let contract surfacing and paving E St. from 9th to Highland Sts., oil and screenings surface on 4 in. concrete base, to H. H. Lienau, Highland, $72,149.

★**Cal., San Bernardino**—City let contract paving 117,700 sq.ft. Mt. Vernon Ave., 16 ft. wide, 4 in. concrete, to H. H. Lienau, Highlands. About $15,500. County furnishes sand, rock and cement. Noted Sept. 4.

★**Cal., San Francisco**—City let contract curbing, paving, guttering and building sidewalks on Carr, Gould, Exter, Cranmer Heat and Were Sts, also on Pond Ave. from Railroad Ave. to San Bruno, to Fay Impvt. Co., 760 Market St., $23,930. Work involves 7142 sq.yd. asphalt, 3391 lin.ft. concrete curbing, 1904 sq.ft. brick gutter, 1442 sq.ft. stone sidewalk, 15 brick catch basins and 300 ft. 10 in. culverts.

★**Cal., Santa Cruz**—City let contract grading, concrete paving and draining Seabright Ave., to Blanchard, Croker & Howell, 58-2nd St., San Francisco, $47,-268.

★**Cal., Upland**—Comrs. San Bernardino Co. (San Bernardino) let contract paving 19th St., to W. C. Cline, Upland. About $15,000. Work involves 2151 cu.yd. excav., $.75 per cu.yd., 75,160 sq.ft. 3 in concrete paving $.08, 50 cu.yd. apron walls $30. County will furnish cement.

★**Quebec**—Dept. Rds., Quebec let contract building 10 mi. Provincial Highway, in town of St. Elzear, macadam, 20 ft. wide, to E. Desormeawz, St. Francis Xavier St., Cape St. Martin. About $60,-000.

★**Que., Montreal**—City let contract rebuilding Notre Dame St. W. from Chaboillez Sq. to Dominion St., to Sicily Asphaltum Repair Co., 60 St. Viateur St E., $41,756.

★**Que., Montreal**—Civic Comn. let contract rebuilding Cote des Neiges Rd., to Sicily Asphaltum Paving Co., Ltd., 60 St. Viateur St. E., $127,027.

★**Que., St. Cecile**—City let contract building 5 mi. waterbound macadam road, to L. Cassette, St. Cecile, $21,825.

★**Que., St. Luc**—City let contract building 7 mi. tar macadam roads, to O. Gaynow, 107 St. James St., Montreal. About $43,000.

★**Que., St. Martine**—Dept. Rds., Quebec, let contract paving 11 mi. Provincial Highway here, 20 ft. wide, bituminious macadam, to Leger & Charleton, Notre Dame St., Lachine. About $83,000.

★**Ont., Barrie**—Simcoe Co., Rds. Com. let contract paving 1-2 mi. Atherley Rd. 20 ft. wide, to R. Curran. About $12,500.

Streets and Roads (Continued)

★**Ont., Ridgeway**—Comrs. Welland Co. (Welland) let contract for 2650 sq.yd. concrete pavement, 18 ft. wide, Ridgeway Twp., to Begy & Co., St. Catherines, $29,500.

★**Ont., Toronto**—City let contracts to Warren Bituminous Paving Co., McKinnon Bldg., paving portions of Northcliffe Blvd., Rosemount and Springmount Aves., bitulithic; to Asphaltic Concrete Co. Ltd., Excelsior Life Bldg., for brick block pavement on portion of Waverly Rd., $19,824; to Dept. Wks for concrete pavements on portions of Belsize Drive, $16,044 Manor Rd., $7378, Sheldrake Ave., $5583, Sheldrake Blvd., $12,934 and asphalt pavements on portion of Kenilworth Ave., $3157; to Constructing & Paving Co., Confederation Life Bldg., for asphalt pavements on Annette St., $43,378, Middleton St., $4004; to Godson Contg. Co. Manning Chambers, for asphalt pavements on portions of Fernwood Park Ave., $7849, Front St., $25,877, Kenilworth Ave., $15,313, Logan Ave., $9438, McLean Ave., $16,796, and concrete curbing on Front St., $.80 per lin.ft.

★**Ont., York**—Town let contracts building concrete sidewalks on sections of Bernice and Dennis Sts., to Angotti & Smythe, 7 Pendrith Ave., Toronto, $1725 and $1630 respectively; McRoberts St., Paulton and Torrens Aves., to Natl. Constr. Co., 228 Carlton St., Toronto, $8288, $2900 and $5510 respectively.

★**Ont., York**—Town let contracts building sidewalks on Todmorden, Glenholme and Lauder Aves., to Walton & Powell, 60 Gamble Ave., Toronto, $1708; Torrens and Barr Aves., to Angotti & Smythe, 7 Pendrith Ave., Toronto, $3175; Pape Ave., to J. E. Clarke, 139 Dowling Ave., Toronto, $4500; Eversfield Ave., to Giant Contg. Co., 50 Front St. E., Toronto, $3950; Lambton Ave., to W. H. Sheridan, 15 Langley Ave., Toronto, $3988; Brownhill Ave., to A. Johnson, 35 Burgess Ave., Toronto, 2924; Keene St., to Natl Contg. Co. 9 Garvock Ave, Toronto, $1350.

★**Ont., York**—Town let contract building concrete sidewalks, 4-6 ft. wide, on St. Johns Rd., Atlas and St. Clair Aves., to Walton & Powell, 46 Price St., Toronto, $4600, $4375 and $4500 respectively; Denison, Medway and Trejama Aves., to Angotti & Smythe, 7 Pendrith Ave., Toronto, $2875, $775 and $3200 respectively.

★**B. C., Chilliwacke**—City let contract paving 16,400 sq.yd. various streets, 2 in. bitulithic surface on macadam base, to Columbia Bitulithic Co., 402 Pender St. W., Vancouver. About $35,000. Noted Aug. 21.

Excavation and Dredging

★**Fla., Palm Beach** — Canal — Trustees Internal Impvt Fund of Florida let contract building 5 mi. canal, 24 ft. wide, 11 ft. deep, involving 247,000 cu.yd. excav., to South Florida Dredging Co., Ft. Lauderdale, $.11 per cu.yd.

★**O., Rocky River**—Excavation—Realty Underwriting Co., 810 Leader News Bldg., Cleveland, let contract for 15,000 cu.yd. earth excav., here, to F. G. Bieber, 2086 West 96th St., Cleveland. About $15,000.

★**Ia., Onawa**—Ditches—Comrs. Monona Co. let contract building ditches in Upper Sioux, D. D., involving 1,227,000 yd. excav., to F. M. Crane Co., Omaha, Neb., $.139 per yd.

★**Minn., Benson**—Ditch—D. P. Carney aud. Swift Co. let contract for labor for building Ditch No. 19, to A. Olson, Murdock, $10,250; tile, to N. W. Cement Tile Co., Starbuck, $6650. Noted Sept. 18.

★**Minn., Duluth**—Dredging—W. H. Borgen, aud. St. Louis Co., let contract dredging 2 rivers to J. Ferrier, 705 East 8th St., $43,055. Noted Sept. 4.

Me., Fairfax — Drainage — Fairfax Special D. D. let contract building drainage system involving 800,000 cu.yd. excav., to J. H. Boyce Sons Co., Omaha, Neb., $1473 per cu.yd.

★**Ark., Marianna**—Dredging—Daggett & Daggett, engrs., let contract building 22 pier floating dredge work in Black Swamp D. D., Lee Co., involving 650,000 cu.yd. excav., to Canal Constr. Co., Exch. Bldg., Memphis, Tenn., $.14 per yd. Noted Sept. 18.

★**Ark., Marianna** — Dredging — Comrs. Lee-Phillips D. D. let contract building 30 mi. floating dredge work, involving 1,905,000 cu.yd. earth work, to Canal Constr. Co., Exch. Bldg., Memphis, Tenn., $13, $.14 and $18 per cu.yd. Noted Sept. 18.

★**Utah, Salt Lake City** — Drainage — Brighton D. D. No. 1 let contract improving system, Salt Lake Co., to Corey & Richardson, Ogden, $80,740.

★**Washington** — Dredging — State Highway Comn., Olympia, let contract dredging and building 2 mi. embankment along Bear River, Pacific Co., to Washington Diking Co., Astoria, Ore., $24,576.

★**Ore., Silver Lake** — Irrigation — G. W. Marvin, secy., Silver Lake Irrigation Dist. let contract building irrigation system to include 10 mi. main canal, 3 timber faced rock filled dams and distribution system, involving 78,000 cu.yd. earth excav., 55,000 cu.yd. rock embankment, 860 cu.yd. rubble masonry and concrete, 770,000 F. B. M. lumber, 26,000 lb iron, 140 lin.ft. tunnel, to Warren Constr. Co., Journal Bldg., Portland. About $100,000. Noted Oct. 23.

★**Cal., San Francisco** — Excavation — Pacific Gas & Electric Corp., 445 Sutter St., let contract for grading in connection with 5 story, 150 x 155 ft. office building, to H. N. McClure, 602 Octavia St. Total cost, $200,000.

Industrial Works

***O., Cleveland**—O. Darst, archt., Brunson Bldg., Columbus, let contract to Voldt Constr. Co., Cleveland, building 5-story, 90 x 132 ft., rein.-con. warehouse, on 12th St., for Central Ohio Paper Co., Bingham Bldg. About $156,000. Noted July 24.

***O., Cleveland**—Cleveland Ry. Co., Leader News Bldg., let contract building 5-story, 49 x 80 ft., concrete, steel and brick converter station, at 13006 Woodland Ave., to W. I. Thompson & Son, 6110 Euclid Ave. About $50,000. Noted Sept. 18.

***O., Cleveland**—Cross Candy Co., 1966 East 66th St., let contract building 1 story, 47 x 140 ft., rein.-con., steel and brick factory, at 6509 Hough Ave., to G. A. Rutherford Co. 1922 East 18th St. About $75,000. Noted Sept. 18.

***O., Cleveland**—Eller Motor Car Co., 7000 Euclid Ave., let contract constructing 2-story 128 x 239 ft., rein.-con., brick and terra cotta garage and service building, rein.-con. flooring, concrete foundation, on East 70th St. and Euclid Ave., to C. C. Kinne, 808 Union Natl. Bank Bldg. About $150,000.

***O., Cleveland**—Fink Body & Fender Co., 2075 East 65th St., let contract building 2-story, 62 x 101 ft., rein.-con., steel and brick factory, to W. Dunbar Co., 8201 Cedar Ave About $60,000. Noted Sept. 18.

***O., Cleveland**—Friedman, Blau, Farber Co. East 37th St. and Perkins Ave., let contract building, 1-story, 45 x 60 ft., concrete, steel and brick boiler house, rein.-con. flooring, concrete and brick foundation, to C. N. Grfifen, 5509 Euclid Ave. About $50,000.

***O., Cleveland**—Glidden Varnish Co., Madison Ave., let contract constructing 4-story 59 x 90 ft. grinding building, concrete, steel and brick, to J. R Gloyd Co., 1816 East 33rd St. About $60,000. Noted Oct. 2.

***O., Cleveland**—Whitworth & Johnson archts., Engineer's Bldg., let contract to W Vretman, Hollenden Hotel, Superior Ave. and East 6th St., building 2-story, 125 x 131 ft., concrete, steel and brick service and sales building, on East 67th and Carnegie Ave., for M. J. Hinkle, 817 Prospect Ave. About $150,000. Noted Sept. 25.

***O., Cleveland**—T. Knight, Arcade Bldg., let contract building 1 story, 70 x 210 ft. rein.-con., steel and brick factory, on Scranton Rd., to Shader Constr. Co., Lennox Bldg. About $50,000. Noted July 31.

***O., Cleveland**—Manufacturers Oil & Grease Co., Century Bldg., let contract constructing 2-story, 78 x 83 ft., concrete, steel and brick factory, rein.-con. flooring, concrete foundation, to Watson Eng. Co., 1101 Hipodrome Bldg. About $75,000.

***O., Cleveland**—Middle States Oil Co., 848 Engineer's Bldg., let contract constructing 2-story, 36 x 100 ft., concrete, steel and brick warehouse and storage building, rein.-con flooring, brick and concrete foundation, on 31st St. and St. Clair Ave., to F. Riley, 309 Williamson Bldg. About $30,000.

***O., Cleveland**—Monarch Brass Co., 4613 Payne Ave., let contract building 2-story, 66 x 200 ft., rein.-con., steel and brick factory rein.-con. flooring, concrete foundation, on 45th St. and Payne Ave. to Emerson Co. 1900 Euclid Bldg. About $150,000.

***O., Cleveland**—Ohio Varnish Co., East 87th St. and Kinsman Rd., let contract building 3-story, 56 x 97 ft., rein.-con., steel and brick factory addition, to G. A Rutherford Co., 1922 East 18th St. About $40,000.

***O., Cleveland**—G. S. Rider Co., archts., Century Bldg., let contract to Hunkin Conkey Co., Century Bldg., for 1-story, [illegible] x 162 ft., rein.-con., steel and brick addition to factory, for Par Brook Co., Brook Park Rd About $25,000. Noted Sept. 18.

***O., Cleveland**—Parish & Bingham, 1061 Madison Ave., let contract building 2 story 84 x 210 ft., concrete, steel and brick garage and shipping room, rein.-con. flooring, concrete and brick foundation, on Madison Ave. to W. I. Thompson, 6110 Euclid Ave. About $150,000.

***O., Cleveland**—F. P. Screw Products Co. 2279 East 77th St., let contract building 1 story, 60 x 150 ft., concrete, steel and brick factory, on East 79th St. and Woodland Ave. to G. A. Rutherford, 1922 East 18th St. About $50,000.

***O., Cleveland**—Stutz Motor Sales Co., 1300 East 13th St., let contract constructing 2-story, 54 x 165 ft., rein.-con., steel and brick service and sales building, at 4310 Carnegie Ave., to H. J. Claxton, 214 Vickers Bldg About $50,000.

***O., Cleveland**—Templar Motor Car Co. Halstead Ave., let contract building 3-story 120 x 442 ft., concrete, steel and brick factory and office, rein.-con. flooring, concrete foundation, to Hunkin-Conkey Co., Century Bldg. About $500,000.

***O., Cleveland**—Torbenson Axle Co., 1115 East 152nd St., let contract building 2-story 60 x 109 ft., rein.-con., steel and brick machine shop, to Crowell, Lundoff, Little Co. Meriam Bldg. About $30,000. Noted Sept 25.

***O., Cleveland**—Vita Mfg. Co., Williamson Bldg., let contract building 1-story, 132 x 200 ft., concrete, steel and brick factory, on Madison Ave., to H. G. Slatmeyer & Son, Lakeside Ave. About $100,000. Noted Sept. 25.

***O., Cleveland**—White Motor Car Co., East 79th St., let contract building 1-story, 200 x 600 ft., rein.-con., steel and brick addition to factory, to Watson Eng. Co., 1101 Hippodrome Bldg. About $600,000. Noted Sept. 18

***O., Cleveland**—White Motor Car Co., East 79th St., let contract building 2-story, 214 x 884 ft., concrete, steel and brick machine shop, to Watson Eng. Co., Hippodrome Bldg About $175,000. Noted Sept. 18.

***O., Columbus**—Bassett & Tresselt, archts., Central Natl. Bank Bldg., let contract to J. W. Heckart, 79 Ruggery Bldg., constructing 6-story, 53 x 150 ft., fireproof addition to plant, for Natl. Ice & Storage Co., 5th and Naghten Sts. About $100,000. Noted Sept 25.

***O., Columbus**—O. Darst, archt., Brunson Bldg., let contract to R. H. Evans & Co. Columbus Savings & Trust Bldg., constructing 6-story 65 x 69 x 155 ft. wholesale grocery building on East Naghten St., for G. W. Bobb Co., 280 Naghten St. About $130,000. Noted Juley 24.

***O., Columbus**—Columbus Unnion Oil Cloth Co., 7th Ave. and Cleveland, Cincinnati, Chicago & St. Louis R.R., let contract constructing 1st unit of plant, consisting of two 1-story, fireproof buildings, 69 x 72 ft. and 50 x 92 ft., to M. J. Delaney, 31 Sycamore St About $40,000.

***O., Columbus**—J. Kokenge Co., 4th and Lawrence Sts., let contract building 5- or 6-story, 60 x 187 ft., rein.-con. factory, on Main and Front Sts., to Frank Hill Smith Co., Inc. 120 Bway., New York City.

***O., Columbus**—Natl. Ice & Storage Co., 5th and Naghten Sts., let general contract constructing 70 x 90 ft. brick, cold storage building, 60 ft. high, at Plant No. 2, 11th and Grant Sts., to R. H. Evans & Co., Columbus Savings & Trust Bldg., cost $45,000; foundation, to M. J. Delaney, 31 Sycamore St., $10,000. Incorrectly noted in our issue of Sept. 25.

***O., Columbus**—Ohio State Journal, Spahr Bldg., let contract constructing 4-story, 34 x 197 ft. publishing building, on East Broad St. between Pearl and 3rd Sts., to E. Spencer, 914 Huntington Natl. Bank Bldg. About $160,000, cost plus percentage basis.

***O., Piqua**—Atlas Underwear Co. let contract building 4-story, 80 x 140 ft., rein.-con and brick factory, rein.-con. flooring, concrete foundation, to Frank Hill Smith Co., Inc., East 3rd St., Dayton. About $125,000 Noted Aug. 21.

***O., Portsmouth**—Pure Milk Co., 1619 8th St., let contract building 2-story, 76 x 132 ft. creamery, brick and rein.-con., on Clay St., to F. Carson, 517 Glover St. About $40,000.

***O., Springfield**—Clark Co. Lumber Co. 1734 West Main St., let contract building

Industrial Works (Continued)

planing mill, 1 story, 70 x 110 ft., steel and timber, brick foundation, to Cogswell Bldg Co., Springfield. About $25,000.

•O., Toledo—Lewis Steel Products Co. let contract building 1 story, 150 x 300 ft., brick and steel foundry, machine shop and office to A. Bentley & Sons Co., 201-31 Belmont Ave. About $200,000.

•Ind., Indianapolis—A. F. Bartel, 911 North East St., Richmond, will build 3-story, brick and steel factory, rein.-con. flooring concrete foundation, here. About $50,000 Work will be done by day labor. Noted Sept. 11.

•Ind., Indianapolis—Millholland Machine & Mfg. Co., West 23rd St. and Belt R.R., let contract building 100 x 200 ft. brick, steel and concrete, machine shop, rein.-con. flooring concrete foundation, to H. K. Ferguson Co., 6532 Euclid Ave., Cleveland. About $100,000

•Ind., Muncie—Chevrolet Motor Co. let contract building 1 story, 60 x 240 ft., brick and steel factory, on 8th St. and Cleveland, Cincinnati & St. Louis Ry., to W. E. Wood Co., 1805 Ford Bldg., Detroit, Mich.

•Ind., Richmond—Natl. Automatic Tool Co. 7th St. and South St., N., let contract building 1-story, 200 x 250 ft. brick, steel and concrete factory, rein.-con. flooring, concrete foundation, to H. K. Ferguson Co., 6532 Euclid Ave., Cleveland, O. About $140,000.

•Mich., Alma—Northern Wheel Co. let contract building 2-story, 60 x 320 ft., rein.-con., brick and steel factory unit for assembly room, storage shed and power plant, to H. H. Soule, Alma. About $50,000.

•Mich., Detroit—Amer. Blower Co., David Whitney Bldg., let contract building 2-story 127 x 144 ft., rein.-con. and brick addition to factory, rein.-con. flooring, concrete foundation, on Russell St. and Harper Ave., to E. D. Jackson Constr. Co., Ford Bldg. Noted Aug. 21.

•Mich., Detroit—Belle Isle East Side Creamery; 1020 Forest Ave., E., let contract building 2-story, 45 x 100 ft., rein.-con., brick and steel, addition to factory, to O. Misch Chamber Commerce. Noted July 31.

•Mich., Detroit—H. H. Lane, engr., Dime Bank Bldg., let contract to A. J. Smith Constr. Co., Campau Bldg., constructing 2-story, 60 x 75 ft., rein.-con. and steel addition to bakery, rein.-con. flooring, concrete foundation, on 4th and Labrosse Sts., for Detroit Baking Co., 4th St. and Michigan Ave. About $30,000. Noted Sept. 11.

•Mich., Detroit—Detroit Edison Co., David Whitney Bldg., let contract building 2-story 25 x 113 ft., rein.-con. and brick sub station rein.-con. flooring, concrete foundation, on Connors Creek Rd., near Six Mile Rd., to A. A. Albrecht, 1130 Penobscot Bldg. About $50,000. Noted Sept. 11.

•Mich., Detroit—Detroit Edison Co., David Whitney Bldg., let contract building 2-story 100 x 207 ft., rein.-con. brick and steel service station, rein.-con. flooring, concrete foundation, on Ledy and 2nd Sts., to A. A. Albrecht Co., 1130 Penobscot Bldg.

•Mich., Detroit—Detroit Twist Drill Co., Ford St., let contract building 3-story, 45 x 87 ft., rein.-con. addition to factory, rein.-con. flooring, concrete foundation, on Fort St. and 14th Ave., to Montague-Forney Co., 813 Ford Bldg. Noted Sept. 11.

•Mich., Detroit—Detroit Vapor Stove Co., Kercheval and Connors Aves., let contract building 1-story, 55 x 380 ft., brick and steel factory, concrete foundation, to J. Whittaker & Co., 51 Church St. About $35,000.

•Mich., Detroit—Fisher Body Co., Oakland and Piquette Aves., let contract building 2-story, 39 x 142 ft., rein.-con. and brick, dry kiln, rein.-con. flooring, concrete foundation on Riopelle and Farnsworth Sts., to G. A. Fuller Co., 540 Penobscot Bldg. About $45,000.

•Mich., Detroit—Grennans Bakery Co., 108-17th St., let contract building 2-story, 25 x 104 ft., brick and steel addition to bakery rein.-con. flooring, concrete foundation, on 17th St., to Spicer & Shock, 600 Sun Bldg About $25,000.

•Mich., Detroit—Brown & Preston, archts. 406 Empire Bldg., let contract to Hazelton & Clark, Book Bldg., building 1-story, 65 x 200 ft., concrete, brick and steel garage and shop, rein.-con. flooring, concrete foundation for Mills-Fox Baking Co., Merrick Ave. About $40,000. Noted Sept. 11.

•Mich., Detroit—Morgan & Wright, Bellevue Ave., let contract constructing 7-story 80 x 174 ft., manufacturing and finishing plant, 7-story, 80 x 174 ft. welfare building and 2-story, 50 x 174 ft. connecting factory all rein.-con., rein.-con. flooring, concrete foundation, to Bryant & Detwiler, 2336 Dime Bank Bldg.

•Mich., Detroit—Packard Motor Car Co., Grand Blvd., let contract building 2-story 165 x 180 ft., rein.-con. addition to foundry rein.-con. flooring, concrete foundation, on Harper Ave., to H. G. Christman Co., 315 Stevens Bldg.

•Mich., Detroit—Paige Detroit Motor Co. McKinstry Ave. and Fort St., let contract building 1-story, 69 x 275 ft., shipping room, rein.-con., concrete flooring, concrete foundation, on Warren Ave., also 20 x 275 ft., concrete shipping platform and rein.-con. tunnel, 102 ft. long, 9½ ft. sq., to A. J. Smith Constr. Co., 110 West Fort St.

•Mich., Detroit—Paige Detroit Motor Car Co., McKinstry Ave. and Fort St., let contract building 1-story, 275 x 528 ft., rein.-con., brick and steel factory, rein.-con. flooring concrete foundation, to Amer. Bridge Co. Beecher Ave. and Michigan Central Ry. Noted Sept. 18.

•Mich., Grand Rapids—Amer. Can Co., 251 Pearl St., let contract building 4-story, 66 x 286 ft., rein.-con. and brick factory, concrete foundation, on Front Ave. and 6th St., and 3-story, 66 x 83 ft. office, to Thompson Starrett Co., Lincoln Bldg., Detroit. About $300,000.

•Mich., Grand Rapids—Amer. Seating Co. 9th St., let contract building 2-story, 100 x 125 ft., rein.-con., brick and steel addition to factory on 9th St. and Bway. Ave., to Owen-Ames-Kimball Co., Michigan Trust Bldg., 42 Pearl St.

•Mich., Hamtramck (Detroit P. O.)—Detroit Carrier & Mfg. Co., Conant Ave., let contract building 2-story, 110 x 133 ft., rein con. brick and steel factory, concrete foundation, on Conant Ave. and Grand Trunk Ry., to C. M. Davis Co., 1323 Woodward Ave., Detroit; cost plus percentage basis.

•Ill., Chicago—Anderson-Clauson Motor Co., 4701 West Madison St., let masonry contract for 1- and 2-story, 50 x 175 ft., brick and timber auto service station, brick foundation, at 4633 West Washington Blvd., to W. J. Ratledge & Co., 2721 Lake St. About $60,000.

•Ill., Chicago—R. C. Harris, archt., 190 North State St., let contract to McLennon Constr. Co., 220 Walton Pl., for 5-story, 100 x 300 ft. rein.-con. and brick factory, rein.-con. flooring, concrete foundation, on 30th St. and Sawyer Ave., for Apex Appliance Co., 3231 West 30th St. About $300,000. Noted Aug. 7.

•Ill., Chicago—Armstrong Bros. Tool Co., 317 North Francisco St., let contract building 1-story, 60 x 150 ft. and 2-story, 60 x 115 ft. rein.-con. and tile factory, concrete foundation, at 307 North Francisco St., to G. Thomson & Son Co., 30 North La Salle St. About $150,000.

•Ill., Chicago—Buckley-Dement & Co., 632 Sherman St., let general contract building 6-story, 100 x 120 ft. rein.-con., brick and steel printing and mailing plant, rein.-con. flooring concrete foundation, on Jackson Blvd. and Throop St., to C. B. Johnson & Son, 111 West Washington St. About $300,000. Noted Aug 21.

•Ill., Chicago—Central Bag Mfg. Co., 3622 Iron St., let contract building 1- and 2-story 330 x 400 ft. rein.-con. and brick factory concrete foundation, on Western Ave. and 60th St., to Solomon-Waterton Co., 343 South Dearborn St. About $350,000.

•Ill., Chicago—Chicago & Alton Ry., 608 South Dearborn St., let contract building 1 story, 154 x 460 ft., concrete, steel and hollow tile, freight house, concrete foundation at 344-355 West Harrison St., to Melton-Stewart-Nelson Co., 208 South La Salle St. About $1,000,000.

•Ill., Chicago—Churchill Cabinet Co., 2119 Churchill St., let contract building 2-story 80 x 180 ft., mill construction addition to factory, concrete foundation, at 1800 North Hoyne St., to F. E. Doherty, 133 West Washington St. About $65,000.

•Ill., Chicago—W. G. Uffendell, archt., 39 South State St., let masonry and carpentry contract, to G. Thomson & Son, 30 North La Salle St., for 5-story, 100 x 200 ft. rein.-con. and brick factory, rein.-con. flooring, concrete foundation, on Orleans St. and Institute Pl., for Dallas Brass & Copper Co., 225 North Jefferson St. About $300,000. Noted Aug. 14.

•Ill., Chicago—Edison Electric Appliance Co., 5660 West Taylor St., let masonry contract building 1-story, 340 x 350 ft., brick and timber factory, brick foundation, to A. E. Anderson Co., 19 South La Salle St. About $275,000.

•Ill., Chicago—A. M. Harroun, 5501 Cornell Ave., let masonry contract building 1 story, 100 x 150 ft. brick and timber garage, brick foundation, on Lake Park Ave. and 55th St. to Rune & Son, 6142 Rhodes Ave. About $25,000. Noted Aug. 21.

•Ill., Chicago—Ideal Coated Paper Co., 38 South Dearborn St., let contract building 1- and 2-story, 70 x 135 ft., rein.-con. and brick factory, rein.-con. flooring, concrete foundation, at 4329 South Western Ave., to E. W. Sproul Co., 201 West 39th St. About $50,000

•Ill., Chicago—Ursus Motor Co., 6601 West Grand Ave., let contract building 1- and 2-story, 120 x 150 ft. brick and timber factory brick foundation, on Grand and Fullerton Aves., to Industrial Bldg. Co., 38 South Dearborn St. About $50,000.

•Ill., Chicago—Westerlin & Campbell, 20 North Clinton St., let contract building 1- and 2-story, 125 x 147 ft., brick, rein. con. and steel factory, rein.-con. flooring, concrete foundation, at 1119 Cornelia Ave., to D. Puvogel & Son, 935 Dakin St. About $50,000 Noted Sept. 11.

•Ill., Springfield—Illinois Watch Co., 9th St. and North Grand Ave., let contract building 3-story, 80 x 144 ft. addition to factory to Austin Co., 16,112 Euclid Ave., Cleveland, O. About $100,000. (75 working days.)

•Wis., Fond du Lac—Latex Tire Co. will build 45 x 200 ft. concrete factory. About $50,000. Work will be done by day labor

•Wis., Milwaukee—Edmonds Shoe Co., Burleigh and Weil Sts., let contract building superstructure for 1-story, 134 x 475 ft. brick and steel factory, rein.-con. flooring, on Bremen and Concordia Sts., to W. Winter, 1025-2nd St. About $150,000.

•Wis., Milwaukee—Kiel Furniture Co. 32nd and Center Sts., let contract building 1-story, 72 x 112 ft. brick, rein.-con. and steel addition to factory, to H. Schmitt & Son, 430 Farwell Ave. About $25,000.

•Wis., Milwaukee—F. Martin—Laskin Co. Fratney St. and Keefe Ave., let contract building 2-story, 60 x 140 ft. rein.-con. and brick addition to tannery, rein.-con. flooring concrete foundation, to W. F. Tubesing Co. Wauwatosa. About $35,000.

•Wis., Milwaukee—Slocum Straw Wks., 650 Natl. Ave., let contract building 2 story, 40 x 60 ft. rein.-con. and brick addition to factory, rein.-con. flooring, concrete foundation to Larbru Eng. Co., 2718 Wright St. About $25,000.

•Wis., Milwaukee—Lesser & Schutte archts. and engrs., Majestic Bldg., let contract to Riesen Bros. Co., 86 Michigan St. building 2-story, 62 x 170 ft. rein-con. and brick warehouse, rein.-con. flooring, concrete foundation, on Muskego and Park Sts., for O. N. Stein, 89 West Water St. About $65,000.

•Wis., Milwaukee—H. Thompson, 226 Grand Ave., let contract building 1-story, 120 x 160 ft. brick and steel garage and repair shop concrete foundation, on Milwaukee and Huron Sts., to Foster Constr. Co., 534 Caswell Blk. About $75,000.

•Wis., Milwaukee—A. W. Hoffman, archt and engr., Berlin Arcade, let contract to W. W. Oeflein Co., 86 Michigan St., building 4-story, 88 x 88 ft., 88 x 154 ft. and 88 x 375 ft. rein.-con. and brick plant rein.-con. flooring, concrete foundation, on Port Washington Rd., for E. and J. E. Uihlein, care of Schlitz Brewing Co., Chestnut St. About $500,000; cost plus percentage basis.

•Wis., Milwaukee—Van Dyke Knitting Co. 880 South Pierce St., let contract building 4-story, 40 x 70 ft. brick, steel and mill construction addition to factory, concrete foundation, to J. L. Stanage, 144 Oneida St. About $30,000.

•Wis., Racine—Hartman Trunk Co., Hamilton St., let contract building 3-story, 60 x 134 ft. brick and steel factory, on Forrest St., to L. Nelson Co., Racine. About $60,000; cost plus percentage basis.

•Wis., Racine—Walker Mfg. Co., Hamilton and Michigan Sts., let contract building 1-story, 80 x 120 ft. brick and steel foundry concrete foundation, on Hubbard St., to Klug & Smith Co., 40 Mack Blk., Milwaukee. About $40,000.

•Wis., Schleisingerville—Vim Tractor Co. 835 Caswell Blk., Milwaukee, let contract building 1-story, 60 x 200 ft. brick, steel and timber factory, concrete foundation, here, to W. M. Tuckwell, Old Chicago Rd., Milwaukee About $50,000; cost plus percentage basis.

•Wis., Sparta—Interstate Milk Products Co. will build 3-story, 45 x 78 ft. condensory, rein.-con., steel and brick, rein.-con. flooring brick foundation, on Main St. About $75,000. Work will be done by day labor. Noted Sept. 4.

•Wis., Waupun—Waupun Canning Co. let contract building factory, to Hutter Constr. Co., 128-136 Western St., FoFnd du Lac About $100,000.

•Wis., West Allis—Marks Bros. Co., 613 73rd Ave., will build 2-story, 70 x 100 ft brick and mill construction plant, concrete foundation, on 75th Ave. About $30,000. Work will be done by day labor.

•Wis., West Bend—West Bend Equipment Co. let contract building 2-story, 80 x 100 ft

Industrial Works (Continued)

concrete addition to factory, to **P. Berres** West Bend. About $30,000.

***Ia., Cedar Rapids**—J. G. Cherry Co. let contract building 3-story, 120 x 140 ft., rein.-con., brick and steel factory and office, rein.-con. flooring, concrete and brick foundation on 10th Ave. and 4th St., to T. Stark Co., Cedar Rapids. About $180,000.

***Ia., Des Moines**—H. Irwin, Ft. Dodge, let contract building 5-story, 50 x 120 ft., rein.-con., brick and steel factory, concrete and brick foundation, to A. H. Newmann, 519 Hubbell Bldg. About $75,000.

***Ia., Des Moines**—S. Mandelbaum, 1316-34th St., let contract building 2-story, 100 x 130 ft. brick, rein.-con. and steel garage, concrete foundation, on 9th and Mulberry Sts. to J. E. Lovejoy & Co., 1006 Mulberry St. About $62,000.

***Ia., Des Moines**—H. Schoen, 2102 Beaver Ave., let contract building 2-story, 66 x 120 ft. brick, rein.-con. and steel garage, rein.-con. flooring, concrete foundation, on 14th and Grand Sts., to W. Knudson, 301 Flynn St. About $100,000 cost plus percentage basis.

***Ia., Waterloo**—Barths-Sheppard Oil Co. let contract building 2-story, rein.-con. brick and steel warehouse, concrete foundation, on Logan Ave., and Belt Line Ry., to H. A. Maine Constr. Co., 305 Marsh-Pl. Bldg. About $51,000.

***Kan., Girard**—F. Thudium will build 1-story, 85 x 120 ft. ice plant, brick and concrete, concrete foundation. About $60,000 Work will be done by day labor.

***Kan., Wichita**—Crystal Ice Co., 201 North Osage St., will build 3-story, rein.-con., steel and brick ice storage plant. About $55,000. Private plans. Work will be done by day labor.

***Neb., Omaha**—C. A. Anderson, 1407 Jackson St., let contract building 1-story, 66 x 132 ft., brick and steel, machine shop and garage, concrete foundation, at 1514-18 Jones St., to O. F. Nelson, 1330 Park Ave. About $25,000.

***Mont., Billings**—Crystal Ice & Fuel Co. 15 North 22nd St., let contract building 1-story, storage plant, to F. Jacoby & Son 1041½ North 31st St. About $50,000.

***Mo., St. Louis**—Alligator Oil Cloth Co. 4146 Bingham Ave., let contract building 2-story, rein.-con., steel and brick factory rein.-con. flooring, concrete foundation, at 4151-55 Bingham Ave., to Murch Bros. Constr. Co., Ry. Exch. Bldg. About $47,000.

***Mo., St. Louis**—A. J. Goebel, Clayton, let contract building 3 story, 82 x 100 ft., brick factory and store, rock foundation, at 5874 Delmar Ave., here, to M. C. Bartels Constr. Co., 4224 Bingham St. About $50,000.

***Mo., St. Louis**—United Drug Co., 63 Leon St., Boston, Mass., let contracts to Westlake Constr. Co., 717 Locust St., constructing drug and chemical plant, here, on San Francisco and Margaretta Aves. and Kings Highway to include 102 x 471-ft. factory, cost $1,450,000; 124 x 201-ft. finished stock building, $200,000; 121 x 181-ft. maintenance building, $100,000; 124 x 181-ft. crude stock building, $150,000; 45 x 126-ft. power plant, $80,000; 53 x 200 ft. administration building, $100,000; all 8-story, rein.-con. and brick, rein.-con. flooring, concrete foundation. Total cost, $2,000,000. Noted June 12.

***Tex., San Antonio**—E. Steves let contract building 2-story, 69 x 150-ft. rein.-con. and brick factory, in southern part of city, to Wright & Sanders, Almo Bldg. About $58,700.

***Okla., Bartlesville**—Wasage Motor Co. let contract constructing 2-story, 88 x 100-ft., brick garage and auto show building to G. H. Siedhoff Constr. Co., 121 North Market St., Wichita, Kan. About $75,000.

***Okla., Muskogee**—O. T. Graham, 16th and Emporia Sts., let contract building 2-story, 100 x 100-ft. brick, rein.-con. and stone garage, to J. Dickman, 10 Colorado Bldg About $50,000.

***Okla., Oklahoma**—Tibbs-Dorsey Mfg. Co will build 2-story, 151 x 275-ft. mill, brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, at 901 Walker St. About $60,000. Work will be done by day labor.

***Colo., Brighton**—Midland Cereal Products Co. let contract building 3 story, 75 x 250-ft., rein.-con. factory, to Moorman & Twogood, 101 Broadway, Denver; cost plus percentage basis.

***Colo., Denver**—H. H. Heiser Co., 7th St. and Bway., let contract building 2-story 25 x 125-ft. garage, to C. S. Lambie Co. Tramway Bldg. About $60,000.

***Idaho, Pocatello**—Idaho Feeding & Livestock Co., recently incorporated, let contract building 1-story, stock pavilion, frame to Lynch-Cannon Eng. Co., Pocatello. About $50,000.

***Utah, Salt Lake City**—Intermountain Electric Co., 43 East 4th St., S., let contract building 2-story, (Ultimately 5-story), 66 x 85-ft. rein.-con. warehouse and office, to J. E. and H. E. Shraver, Boston Bldg., $51,250.

***Wash., Seattle**—City will build fireproof power house, at Cedar Falls power plant. About $1,750,000 appropriated to cover cost including equipment. Work will be done by day labor under supervision of department engineers.

***Cal., Los Angeles**—Bd. Pub. Serv. Comn. 645 South Olive St., will build power plant No. 2 in San Francisquito Canyon, near Chatsworth. Total cost, $2,500,000. Work will be done by day labor. Noted June 12.

***Cal., Los Angeles**—Keystone Iron & Steel Wks., 973 North Main St., let contract building 2nd unit of its plant to consist of 2-story, 100 x 438-ft., rein.-con. and brick machine shop, concrete foundation, on 37th St. and Santa Fe Ave., to Pozzo Constr. Co. 421 Macy St., $71,600. Noted July 10.

***Cal., Los Angeles**—C. E. Love, California Bldg., let contract building 1-story, brick assembling and distributing plant, concrete foundation, on 30th and Main Sts., to Lilly-Fletcher Co., 621 Investment Bldg. About $25,000. Master Carburetor Co., 922 South Los Angeles St., lessee.

***Cal., Modesto**—T. J. Wiseacre let contract building 1-story, brick garage, concrete foundation, on 11th and H Sts., to G. J. Ulrich, Modesto. About $35,000.

***Cal., Oakland**—Western Canning Co. let contract building 1-story, 100 x 200-ft., concrete and brick warehouse, in Emeryville Dist., to P. J. Walker & Co., Monadnock Bldg., San Francisco, $70,000.

***Cal., Sacramento**—Capital Van & Storage Co., 805 L St., let contract building 5-story, rein.-con. and brick warehouse, concrete foundation, on 21st and R Sts., to G. D. Hudnut, California Fruit Bldg. About $72,000.

***Cal., San Francisco**—N. Capro and A Podesto, c-o. L. Mastropasqua, archt., 580 Washington St., let contract building 2-story, 67 x 136-ft. rein.-con. garage and shop, concrete foundation, on Powell and Vallejo Sts., to Del Favero & Rossori, 1110 Jessie St. About $25,000. Noted June 19.

***N. B., Bathurst**—Bathurst Lumber Co let contract building rein.-con. power house flume and dam, on Nepisiguit River, near here, to Morris & Beatty, Peterboro. About $500,000.

***Que., Montreal**—Holt, Renfrew & Co., 401 St. Catharine St. W., let contract building warehouse and cold storage plant, to H. C Johnston Co., Ltd., 260 St. James St. About $120,000.

***Que., Rockfield**—Dominion Wire Rope & Cable Co., Lachine, let contract building 3-story, 75 x 100-ft., steel and brick factory. rein.-con. flooring, concrete foundation, on Lachine Rd. here, to A. F. Byers & Co., 340 University St., Montreal. About $90,000.

***Que., Sherbrooke**—J. Kayser & Co., Frontenac St., let contract building 4-story, 100 x 300-ft., concrete, brick and steel factory to Loomis-Dakin Constr. Co., 25 Belvidere St. About $250,000. Noted June 5.

***Que., Three Rivers**—International Paper Co., 30 Broad St., New York City, will build paper mill on 100-acre site, here, to consist of several 2-story buildings, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $3,000,000. Work will be done by day labor. Noted Mar. 20.

***Ont., Brantford**—A. J. Reach & Co., Gordon St., let contract building 2-story, 40 x 80-ft., brick, steel and concrete addition to plant, rein.-con. flooring, concrete foundation to Schultz Bros. Co., Ltd., 37 Albion St About $28,000.

***Ont., Cardinal**—Canada Starch Co., Ltd. 164 St. James St., Montreal, Que., let contract building engine house and addition to refinery here, to D. Bremner & Co., 10 Cathcart St., Montreal, Que. About $47,000

***Ont., Chatham**—Dowsey Spring & Axle Co., 81 St. George St., let contract building 3-story, 60 x 120-ft., rein.-con. factory, concrete foundation, to W. Sparling & Co., 120 Bay St., Toronto. About $80,000; cost plus percentage basis.

***Ont., Guelph**—Brown & Little, 23 Cork St., let contract building 2-story, 82 x 160-ft. rein.-con. and brick garage, rein.-con. flooring, concrete foundation, on Eramosa Ave. to P. H. Secord & Sons, 133 Nelson St. About $60,000; cost plus $5,000.

***Ont., Hamilton**—Dominion Sheet Metal Co., Ltd., 1322 Burlington St., let contract building 1-story, 50 x 100-ft. steel and brick factory, concrete flooring and foundation, to W. H. Cooper, Clyde Bldg. About $23,000.

***Ont., Hamilton**—T. Eaton & Co., Ltd. 190 Yonge St., Toronto, let contract building 5-story, 50 x 80-ft., rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on Houghson St. here, to Frid Constr. Co., Sun Life Bldg. About $92,000 Noted Sept. 25.

***Ont., Hamilton**—Frost Steel & Wire Co. Sherman Ave. N., let contract building 1 story, 40 x 100-ft., brick and steel factory concrete flooring and foundation, to W. H Cooper, Clyde Bldg. About $27,500.

***Ont., Hamilton**—Porrits & Spencer Paper Mfg. Co. let general contract constructing factory, consisting of 4-story, 56 x 146 ft. 1-story, 63 x 362-ft., 4-story, 123 x 143-ft and 4-story, 62 x 81-ft., rein.-con. buildings and 2-story, 45 x 65-ft. brick office, rein.-con. flooring, concrete foundations, to W. H Yates, 24 Leeming St.; steel, to Hamilton Bridge Co., Bay St. N. About $450,000.

***Ont., Hamilton**—Yates Lehigh Coal Co. 1168 Sycamore St., Buffalo, N. Y., let contract building rein.-con. coal elevator, with circular bins, here, 5,000-ton capacity, to involve 7,500 cu.yd. rein.-con. and 500 cu.yd. mass concrete, to J. B. Nicholson, Hamilton. About $50,000.

***Ont., Kitchener**—Dominion Tire Co., 149 Strange St., let contract building 4-story 80 x 250-ft., structural steel factory, rein.-con. flooring, concrete foundation, on King St. W., to MacKinnon Steel Co., Drummond St., Sherbrooke, Que. About $300,000.

***Ont., Napanee**—Farmers Dairy Co., Walmer Rd., Toronto, let contract building 3-story, 60 x 85-ft., dairy, rein.-con. and brick rein.-con. flooring, concrete foundation, here to Jackson Lewis Constr. Co., Bell Telephone Bldg., Toronto. About $75,000.

***Ont., Toronto**—Chase Tractor Co. let contract building 2-story, 50 x 96-ft., brick and steel factory, rein.-con. flooring, concrete foundation, to Carswell Constr. Co. 58 Wellington St. E. About $40,000.

***Ont., Toronto**—Cowan Co., Ltd., 72 Sterling Rd., let contract building 5-story, 82 x 250-ft., steel and concrete factory, rein.-con flooring, concrete foundation, to J. V. Gray Constr. Co., Confederation Life Bldg. About $450,000. Noted June 19.

***Ont., Toronto**—A. D. Gorrie & Co., Ltd. 205 Victoria St., let contract building garage to T. E. Essery, Confederation Life Bldg About $90,000.

***Ont., Toronto**—J. M. Loose & Sons, Carlan Ave., Let contract building 3-story, 52 x 96-ft. brick and steel factory, concrete foundation, to Witchall & Son, 156 St. Helens Ave. About $75,000.

***Ont., Walkerville**—Peabody Sales Corp. Ltd., let contract building 4-story, 80 x 250-ft. and 4-story, 60 x 200-ft. rein.-con. additions to factory, rein.-con. flooring, concrete foundation, to Wells & Gray, Confederation Life Bldg., Toronto. About $300,000.

***Ont., Windsor**—British Amer. Brewing Co. Pitt and Bruce Sts., let contract building 3-story, 40 x 80-ft. brick, steel and concrete brewery, rein.-con. flooring, concrete foundation, on Pitt St., to Wells & Gray Confederation Life Bldg., Toronto. About $32,000.

***Man., Selkirk**—Dept. Pub. Wks., Ottawa Ont., let general contract building laundry at Hospital for the Insane, here, to Carter, Hall & Aldinger, 1010 Union Bank Bldg., Winnipeg, $47,229; heating and plumbing apparatus and installation of machinery, to J. Ballantyne Co., Ltd., Winnipeg, $18,275

***Sask., Regina**—Canadian Consolidated Rubber Co. let contract building 3-story steel and rein.-con. addition to warehouse at 1118 Broad St., to Poole Constr. Co. Regina. About $40,000.

Buildings

***Me., Waterville**—Bank—Ticonic Natl. Bank let contract building 2-story, 50 x 100-ft. brick and limestone, rein.-con. flooring, brick foundation, to H. Purintor Co., Waterville About $100,000.

***N. H., Portsmouth**—Fire Station—City let contract building 2-story, brick, rein.-con. flooring, brick foundation, on Main St., to C. E. Currier, 10 High St., Boston About $60,000.

***Vt., Townshend**—Hall—Town let contract building 2-story, 45 x 88-ft., brick and stucco, on Main St., to W. Cushman, Guilford St., Brattleboro. About $50,000.

***Mass., Amherst**—Dormitory—Massachusetts Agricultural College let contract building dormitory and dining room, on campus 2-story, 60 x 155-ft., brick and 2nd class construction, concrete foundation, to E. F. Carlson Co., 310 Main St., Springfield. About $150,000. Noted Sept. 18.

***Mass., Boston**—Dining Room—Comn. on Mental Diseases, 36 State House, let contract to H. Cummings & Co., 185 Devonshire St., building 2-story, brick and steel brick foundation, (east group) Boston State Hospital. About $68,700.

Buildings (Continued)

*Mass., **Boston**—School—Suffolk Co. let contract building 3-story, 65 x 111-ft., brick, concrete foundation, on Rainsford Island to C. Logue Co., 18 Tremont St., $116,225.

*Mass., **Chicopee** — Housing-Dwight Mfg. Co., Front St., will build eight 2-story brick and timber houses, concrete foundations, on Dwight Terrace. About $50,000. Work will be done by day labor.

*Mass., **Gardner**—Assembly—Comn. on Mental Diseases, 36 State House, Boston, will build 2-story, brick and concrete addition, rein.-con. flooring, concrete foundation, for Gardner State Hospital, here. About $75,000. Work will be done by day labor. Noted Aug. 28.

*Mass., **Indian Orchard**—Office—Indian Orchard Co., Front St., let contract building 1-story, 46 x 51-ft., brick, concrete and steel, rein.-con. flooring, concrete foundation to Adams & Ruxton Constr. Co., 33 Lyman St. About $50,000.

*Mass., **Lexington**—School—Town let contract building 1-story, 74 x 84-ft. brick and hollow tile, on Bedford St., to F. C. Alexander, Old South Bldg., Boston. About $50,000. Noted July 17.

*Mass., **New Bedford**—Business—E. H. Vien, 65 Main St., let contract building 2-story, 85 x 135-ft., brick and rein.-con., rein.-con. flooring, concrete foundation, on Acushnet Ave., to N. Lapointe, 99 Ellen St. About $60,000.

*Mass., **New Bedford**—Hotel—Clinton & Russell, archts., 32 Nassau St., New York City, let contract to Longacre Constr. Co., 185 Madison Ave., New York City, building 9-story, rein.-con. and steel, rein.-con. flooring, concrete foundation, on Middle, Pleasant, High and Foster Sts., here, for New Bedford Hotel Co., Pleasant St. About $1,000,000. Noted July 10.

*Mass., **New Bedford**—Theater—A. A Spitz, C. Misch Bldg., Providence, R. I., let contract building 3-story, 86 x 140-ft., brick and rein.-con., rein.-con. flooring, concrete foundation, on Elm St., here, to C. I. Bigney Constr. Co., Inc., 898 Westminster St. Providence, R. I. About $175,000.

*Mass., **South Boston** (Boston P. O.)—Theater and Post Office—Bway.—Real Estate Trust Co., let contract constructing brick, steel and rein.-con., rein.-con. flooring, concrete foundation, to F. T. Ley & Co., Inc. 499 Main St., Springfield. About $400,000.

*Mass., **West Warren**—Community—Warren Cotton Mills let contract building 1-story 51 x 114-ft. with 30 x 41-ft. ell, brick and steel, concrete foundation, on Main St., to include assembly hall, poolroom, bowling alleys, etc., to P. H. Provencal Co., 147 North St., Ware. About $75,000.

*R. I., **Pawtucket**—Theater—W. R. Walker & Son, archts., 17 Custom House St., Providence, let contract to E. Turgeon, 86 Weybosset St., Providence, altering interior of 3-story, 100 x 100-ft. building, brick and rein.-con., rein.-con. flooring, concrete foundation on East Ave., and constructing lobby and entrance through another building, for A. A. Spitz, C. Misch Bldg., Providence. About $150,000. Noted Oct. 30.

*R. I., **Providence**—Hospital—Rhode Island Hospital, Eddy St., let contract building 5-story, 34 x 36-ft., 46 x 143-ft., and 34 x 36-ft. brick, steel and rein.-con. addition, rein.-con. flooring, brick and concrete foundation, on Lockwood St., to be known as Jane Frances Brown Memorial Hospital, to E. F. Miner Bldg. Co., 82 Foster St., Worcester, Mass. About $200,000.

*R. I., **Providence**—Library—G. H. Shepley Benefit St., let contract building 1-story 19 x 22-ft., 31 x 62-ft., and 19 x 22-ft. brick and concrete, rein.-con. flooring, concrete foundation, to Williams & Marchant, Inc. 85 Weybosset St. About $50,000.

*R. I., **Providence**—Theater and Business—S. Bomes, 71 Farragut Ave., will build 1- and 2-story, 80 x 102-ft., brick and terra cotta, concrete flooring and foundation, on Broad and Gallatin Sts. About $50,000. Work will be done by day labor. Noted Sept. 18.

*Conn., **Bridgeport**—Bank and Office—Hincks Bros. & Co., 207 State St., let contract building 1- and 3-story, 39 x 104-ft. brick, concrete and steel, concrete flooring and foundation, on Main St., to M. C. Tredenick Co., 1188 Main St. About $100,000. Noted July 31.

*Conn., **Bridgeport**—Police Station—Bd. Police Comrs. let contract building, 2-story, 55 x 75-ft., brick, concrete and steel, station and garage, rein.-con. flooring, concrete foundation, on Barnum Ave. and Caroline St., to D'Agostino & Cennamo, 1834 Main St. About $60,000. Noted Sept. 18.

*Conn., **Bristol**—Housing—Bristol Realty Co. let contract building fourteen 1- and 2-family houses on Barnes, Hull, George and Queen Sts., 1½- and 2½-story, brick and timber, brick, concrete and rock foundation, to G. J. La Course, 108 South St. About $83,600.

*Conn., **Collinsville**—Housing—Collins Co. let contract building ten 2-story timber houses for workmen, brick and concrete foundation, to Ellison Constr. Co., 96 Wellington Ave., Hartford. About $50,000.

*Conn., **Glastonbury**—Schools—Bd. Educ. let contract building assembly hall and 1-story, 2-room addition to Hubbard St. school also 4-room addition to High St. school, brick and concrete, concrete foundation, to Dean & Bidwell, Glastonbury. About $60,000. Noted July 17.

*Conn., **Hartford**—Bank and Office—Amer Industrial Bank & Trust Co., 688 Main St. let contract constructing 15-story, 56 x 156-ft. brick, concrete and steel, concrete flooring and foundation, to W. F. O'Neil, 277 Farmington Ave. Noted Mar. 20.

*Conn., **Highwood** (New Haven P. O.)—Office—Yale Tire & Rubber Co., New Haven let contract building 3-story, 30 x 60-ft. brick concrete and steel, rein.-con. flooring, concrete foundation, here, to C. W. Murdock, 185 Church St., New Haven. About $50,000.

*Conn., **Manchester**—Hospital—Town let contract building 3-story, 45 x 90-ft., brick, concrete and steel, rein.-con. flooring, concrete foundation, on Main St., to Wise & Upson, 36 Pearl St., Hartford. About $100,000. Noted May 15.

*Conn., **Mansfield**—School, etc.—State Training School let contract constructing 2- and 3-story custodial building, school and gymnasium, brick and rein.-con., rein.-con. flooring, concrete foundation, to H. Wales Lines Co., 134 State St., Meriden. About $300,000. Noted July 24.

*Conn., **New Haven**—Business—Brown & Von Beren, archts., 185 Church St., let contract to Dwight Bldg. Co., 24 Center St., altering and building 4-story rein.-con. addition, rein.-con. flooring, concrete foundation, for Besse, Ritchey & Co., 784 Chapel St. About $75,000. Noted July 10.

*Conn., **New London**—Synagogue—Congregation Chev Sholum, North Main St., let contract building 2-story, 40 x 82-ft. brick and steel, concrete foundation, on Blinman St., to T. Occhialine & Co., 4 Chelsea St. About $50,000. Noted July 17.

*Conn., **Norwalk**—Home—Davis & Dane archts., 1024 Main St., Bridgeport, let contract to M. MacFayden, 174 Middle St., Bridgeport, building 3-story, 35 x 60-ft. brick and steel addition, rein.-con. flooring, concrete foundation, on Westport Ave., here for Fairfield County, Bridgeport. About $50,000. Noted July 24.

*Conn., **Plainfield**—Club—Lawton Mills Corp. let contract building 2-story brick and rein.-con., rein.-con. flooring, concrete foundation, to A. Torrance, Prospect St., Norwich About $135,000.

*Conn., **Stamford**—School—Bd. Educ. let contract building 2-story, 24-room, brick, concrete and steel, concrete flooring and foundation, on State and South Sts., to J. A. Trolle, Lafayette St. Cost $231,000. Noted July 31.

*N. Y., **Binghamton**—Dormitory—Bd. Supervs., Broome Co., let contract building brick, concrete and steel dormitory and isolation ward for men, at County Farm, to Klein & Griffin, 29 Highland Ave., Binghamton, $79,721.

*N. Y., **Brooklyn**—Office—Slee & Bryson archts. and engrs., 154 Montague St., let contract to A. J. Robinson, 15 West 38th St., New York City, building 3-story, 65 x 90-ft. brick, steel and stone, brick foundation, for Home Title Insurance Co., Jay and Pearl Sts. About $100,000. Noted Aug. 28.

*N. Y., **Brooklyn**—School—Bd. Educ., 500 Park Ave., New York City, let contract building P. S. 144, Howard Ave. and Prospect Pl., brick and steel, brick foundation, to Freymier & Hanna, 25 West 45th St., New York City. About $200,000. Noted Aug. 28.

*N. Y., **Brooklyn**—Store—A. I. Namm & Son, Fulton St., let contract building 6-story, 125 x 175-ft., brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, on Livingston St. and Elm Pl., to J. Thatcher & Son, 60 Park Ave. About $500,000.

*N. Y., **Brooklyn**—Synagogue—Congregation Beth El, c-o. Shampan & Shampan archts. and engrs., 50 Court St., will build 100 x 120-ft., brick and terra cotta, brick foundation, on 15th Ave., About $200,000. Work will be done by day labor.

*N. Y., **Brooklyn**—Theater—M. Loew, 1492 Bway., New York City, let contract building brick and steel, brick foundation, on Bay Ridge Ave. and 5th St., here, to L. Gold, 44 Court St. About $500,000.

*N. Y., **Jamaica**—Bank—First Natl. Bank of Jamaica, 335 Fulton St., let contract building 1-story, brick, steel and stone, brick foundation, to Wills-Egelhoff & Co., 101 West 40th St., New York City. About $53,000.

*N. Y., **Kings Park**—Hospital—State Hospital Comn., Capitol, Albany, let general contract building hospital for acute patients at Kings Park State Hospital, here, to M Kantrowitz, 20½ Market St., Albany, $277,700; heating, to A. B. Barr & Co., 6 River St., Yonkers, $21,800; plumbing, to W. B Armstrong, 3 Fulton St., Albany, $31,600 Noted Sept. 18.

*N. Y., **Long Island City**—Store and Loft—Egel Constr. Co., Hillside Ave., will build 2-story, 35 x 120-ft. brick and steel, brick foundation. About $50,000. Work will be done by day labor.

*N. Y., **New York**—Exchange—New York Telephone Co., 15 Dey St., let contract building 4-story, brick and limestone, brick foundation, on St. Nicholas Ave., to D. C. Weeks, 1123 Bway.

*N. Y., **New York**—Hotel—Allerton House Corp., 143 East 39th St. will build 16-story, 100 x 200-ft. brick, steel and stone, brick foundation, at 551-553 Madison Ave. About $1,000,000. Work will be done by day labor. Noted July 17.

*N. Y., **New York**—Hotel—Commonwealth Constr. Co., 18 East 41st St., will build 200 x 300 x 350 x 200-ft. brick, steel and stone, brick foundatoin, on Bway., 7th Ave., 56th and 57th Sts. About $15,000,000. Work will be done by day labor.

*N. Y., **New York**—Hotel—Hotel Ormindl, 70th St. and Bway., let contract building 12-story, brick, steel and stone addition, brick foundation, to Fullam Constr. Co., 103 Park Ave. About $400,000.

*N. Y., **New York**—Lofts and Stores—B. S. Castles, 43 West 38th St., let contract constructing 7-story, 25 x 100-ft., brick and steel, brick foundation, at 15 East 56th St., to J. H. Deeves Bros., 103 Park Ave. About $75,000.

*N. Y., **New York**—Loft—Elman & Gitelman, c-o. J. H. Scheier, archt. and engr., 25 West 42nd St., let contract converting brick and steel hotel at 29 West 26th St., into loft building, to D. Ray, 696 Cauldwell Ave. About $75,000.

*N. Y., **New York**—Office—Gilbert & Kramer, 103 Park Ave., will alter present building and construct 4-story, 51 x 203-ft. steel and brick addition, on Bway. and 48th St About $500,000. Work will be done by day labor.

*N. Y., **New York**—Office and Stores—Larimore & Co., 1 West 46th St., let contract building 10-story, 33 x 97-ft. brick, steel and stone, brick foundation, at 15-17 West 46th St., to G. B. Beaumont, 286 5th Ave About $150,000. Noted June 12.

*N. Y., **New York**—School—Bd. Educ., 500 Park Ave., let contract building P. S. 83, brick and terra cotta, brick foundation, on 109th St. and 3rd Ave., to D. E. Connors, Brooklyn. About $288,500.

*N. Y., **New York**—School—Bd. Educ., 500 Park Ave., let contract building P. S. 43, 3-story, 59 x 100-ft., brick and steel, brick foundation, on Brown Pl. and 136th St., to D. E. Connors, Brooklyn, $194,750.

*N. Y., **New York**—Store and Loft—Columbia University, 63 Wall St., let contract altering 5-story, brick, steel and stone, brick foundation, at 618-620 5th Ave., to T. J Murphy, 405 Lexington Ave. About $50,000 Noted Aug. 14.

*N. Y., **New York**—Store, Office, etc.—Circle Concrete Co., 570 5th Ave., will construct 18-story brick, steel and stone, store, office and loft building, brick foundation, at 49-53 West 45th St. About $1,000,000. Work will be done by day labor.

*N. Y., **New York**—Synagogue—Temple Israel of Washington Heights, 120th St. and Lenox Ave., will build 100 x 100-ft., brick steel and stone, brick foundation, on 185th St. and St. Nicholas Ave. About $100,000 Work will be done by day labor.

*N. Y., **New York**—Theater—A. Lewinson, 61 Broadway, will build 83 x 176-ft., brick and steel, brick foundation, at 4023 Bway About $120,000. Work will be done by day labor. Noted Aug. 7.

*N. Y., **Scarsdale**—School—Bd. Educ. let contract building, 3-story, 75 x 200-ft., brick and steel, brick foundation, to E. Corning & Co., 52 Vanderbilt Ave., New York City About $200,000.

*N. Y., **Silver Lake**—School—Bd. Educ. let contract building 3-story, brick and terra cotta, brick foundation, to Oscawana Bldg Co., 101 Park Ave., New York City. About $250,000.

*N. Y., **Syracuse**—Hospital—St. Marys Maternity Hospital, 128 Spring St., let contract building hospital, to A. and T. Constr. Co.,

Buildings (Continued)

115 South Salina St. About $70,000. Noted Aug. 28.

*N. J., Morristown—Clubhouse—Morris Co. Golf Club let contract building stucco clubhouse, to Hegeman & Harris Co., 33 West 42nd St., New York City. About $140,000.

*Md., Annapolis—Theater—Circle Theater Co., Church and South Sts., let contract building 1-story, 85 x 170-ft., steel and brick, concrete foundation, to J. J. Stehle, 170 West St. About $50,000.

*Md., Baltimore—Bank—Amer. Bank., 524 South Bway., let contract altering and building 3-story, rein.-con. and brick addition, cement flooring, concrete foundation, to H. Smith & Sons Co., 7 East Redwood St. About $75,000.

*Md., Baltimore—Hotel—Company, representing Washington, D. C., and Richmond, Va., capitalists, let contract building 18-story, 180 x 250 ft., steel, brick and stone, concrete foundation, on Charles and Chase Sts., here, to Wise Granite & Constr. Co., Amer. Natl. Bank Bldg., Richmond. About $1,500,000.

*Md., Lonaconing—High School—Bd. Educ. Washington Co., Hagerstown, let contract building 3-story, 100 x 175-ft., brick and stone, rock foundation, here, to E. G. Marshall Co., 17 Clark-Keating Bldg., Cumberland. About $50,000.

*Va., Norfolk—Church and Sunday School—Ghent Methodist Episcopal Church let contract building 1- and 3-story, at Stockley Gardens, to W. T. Gregory & Co., Law Bldg. About $150,000; cost plus percentage basis.

*Va., Norfolk—Church St. Andrew's Episcopal Church let contract building 1-story, to R. R. Richardson & Co., Natl. Bank of Commerce Bldg. About $100,000; cost plus percentage basis. Noted July 10.

*Va., Norfolk—Store—R. C. Hogue, Monroe Bldg., let contract building 2-story, 90 x 200-ft., brick, to Erwin & Leslie, McKevitt Bldg. About $70,000.

*Va., Onley—High School—Bd. Educ. of Accomac Co., Onley, let contract building high school, to J. T. Cropher, Onley. About $50,000; cost plus percentage basis.

*Va., Richmond—Church—Calvary Baptist Church will build 1-story, 97 x 82-ft., brick, on Grove Ave. and Blvd. About $60,000 Work will be done by day labor. Address R. A. Gary, 2316 Stuart Ave.

*Va., Richmond—Store—Richmond Art Co., 5 East Broad St., let contract building 4-story, 34 x 152-ft., on 1st and Grace Sts. to J. C. Beazley & Co., Real Estate Exch. Bldg. About $66,000. Noted Sept. 25.

*W. Va., Petersburg—Bank—Union Trust & Deposit Co. let contract altering and building brick, steel and marble addition stone foundation, to Hoggson Bros., 485-5th Ave., New York City. About $100,000.

*N. C., Charlotte—Church—St. Mark's Lutheran Church let contract remodeling main building and constructing 45 x 112-ft. brick addition, on North Tryon St., to J. H. Deal, 27 South Tryon St. About $50,000; cost plus fixed fee.

*N. C., Gastonia—Hospital—State Hospital Bd., Raleigh, let contract building orthopedic hospital, brick, here, to J. H. Deal, Charlotte, $55,840.

*O., Canton—School—Bd. Educ. let contract building 2-story, 133 x 180-ft., steel and brick, rein.-con. flooring, concrete foundation, known as McGregor School, to R. H. Evans & Co., 8 East Long St., Columbus, $363,000.

*O., Cleveland—Bank and Office—F. Hronek, archt., 3655 East 31st St., let contract to Alexander Bros., Williamson Bldg., for 2-story, 40 x 96-ft., concrete, steel, terra cotta and brick, on Bway. Ave., for Volea Bldg. & Loan Assn., 5733 Bway Ave. About $50,000. Noted Sept. 25.

*O., Cleveland—Bank—Lake Shore Bank Huron Rd., let contract altering 8-story, 97 x 158-ft., concrete, steel, brick and terra cotta, at Huron Rd. and Prospect Ave., to G. A. Rutherford, 1922 East 18th St. About $100,000.

*O., Cleveland—Church—H. W. Maurer, archt., Schofield Bldg., let contract to Forschner Co., East 10th St. and St. Clair Ave., building 3-story, 38 x 95-ft., concrete, steel and brick, on Hayden Ave., for 6th United Church. About $50,000. Noted Sept. 18.

*O., Cleveland—Commercial—Berkshire Realty Co., Citizens' Bldg., let contract building 11-story, 66 x 147-ft., rein.-con., steel and brick, on East 6th St., to Minnick Gibbons Co., Prospect Ave. About $350,000.

*O., Cleveland—Commercial—Prame Realty Co., 214 Williamson Bldg., let contract building 4-story, 107 x 140-ft. ft., rein.-con. steel and brick, rein.-con. flooring, concrete foundation, on 27th St. and Payne Ave., to Craig Curtiss Co., 1030 Guardian Bldg. About $250,000.

*O., Cleveland—Library—O. Coltman, archt., 1375 Euclid Ave., let contract to H. F. Juergens, 3315 West 25th St., building 2-story, 70 x 80-ft., rein.-con., steel and brick, at 1347 East 105th St., for Cleveland Pub. Library Assn., 1375 Euclid Ave. About $50,000. Noted July 24.

*O., Cleveland—Loft—Paudett Investment Co., Citizens Bldg., let contract building 6-story, 94 x 122-ft., rein.-con., steel and brick at 1825 East 18th St., to Paul Bros., Citizens Bldg. About $125,000. Noted Sept. 18.

*O., Cleveland—Observatory—Walker & Weeks, archts., 1900 Euclid Ave., let contract to Crowell & Little Co., East 57th St., building 3-story, 45 x 60-ft., rein.-con., steel and brick, on Taylor Rd., for Warner & Swasey Co. About $50,000. Noted Sept. 18.

*O., Cleveland—Office—Altamont Realty Co. 214 Williamson Bldg., let contract building 6-story, 99 x 125-ft., rein.-con., steel and brick, at 1730 East 12h St., to C. A. Carson, 6408 Euclid Ave. About $350,000. Noted Sept. 18.

*O., Cleveland—Office—Chandler Motor Car Co., St. Clair Ave. and 131st St., let contract building 5-story, 42 x 95-ft., concrete, steel and brick addition, to J. Gill & Sons, Citizens Bldg. About $100,000. Noted Aug. 21.

*O., Cleveland—Office—Willard Storage Battery Co., 246 East 131st St., let contract building 2-story, 50 x 104-ft., rein.-con., steel and brick addition, to J. J. Bill, 914 East 149th St. About $60,000. Noted Sept. 18.

*O., Cleveland—School—Bd. Educ. let contract building 1- and 3-story, 83 x 139-ft. concrete, steel, brick and stone addition rein.-con. flooring, concrete foundation, on Miles Ave., to Shirmer-O'Hara Co., 2031 Euclid Ave. About $250,000.

*O., Cleveland Heights (Warrensville P. O.)—School—Bd. Educ. let contract building 2-story, 110 x 176-ft., rein.-con. steel, brick and stone addition, rein.-con. flooring, concrete foundation, on Roxboro Rd., to Willing Bros. Bellevue. $369,549.

*O., Cleveland Heights (Warrensville P. O.)—Theater, Stores and Offices—L. Isreal, 743 East 91st St., let contract building 3-story, 100 x 198-ft., concrete, steel, brick and stone rein.-con. flooring, brick and concrete foundation, on Euclid Blvd., to Kinsman Builders Supply Co., E. 79th St. and Kinsman Rd. About $125,000. Noted Sept. 18.

*O., Dayton—Church—Schenck & Williams archts., Mutual Home Bldg., let contract to Engle & Gohn, 50 Callahan Bank Bldg., constructing brick, stone and rein.-con., rein.-con. flooring, brick foundation, on Salem Ave., for Grace Methodist Episcopal Church 4th and Ludlow Sts. About $200,000. Noted Jan. 30.

*O., Dayton—Exposition—Greater Dayton Industrial Exposition Co., Dayton Savings & Trust Bldg., let contract building 1-story 100 x 400-ft., timber and stucco, on Washington St., to J. H. Gibson, North Wilkinson St. About $50,000.

*O., Fremont—Hospital—W. W. Sabin archt., 1900 Euclid Ave., Cleveland, let contract to C. F. Steinway, Fremont, building 3-story, 100 x 130-ft., rein.-con., steel and brick addition, for Memorial Hospital Assn. Noted Oct. 2.

*O., Mechanicsburg—School—Bd. Educ. let contract building 3-story, 60 x 120-ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, to L. G. Foltz & Co., Columbus Savings & Trust Bldg., Columbus. About $60,800.

*O., South Euclid—School—Bd. Educ. let contract building 1-story, 100 x 150-ft., rein.-con., steel and brick, to Cleveland Fireproof Constr. Co., Anisfield Bldg. About $150,000

*Ind., Hammond—Synagogue—Anshe Aneseth Israel Congregation, c-o H. L. Newhouse, archt., 4630 Prairie Ave., Chicago, Ill. let contract building 2-story, 55 x 115-ft. at 305 Sibley St., to Van Etten Bros., 143 East 111th St., Chicago, Ill. About $50,000.

*Mich., Charlevoix—Jail—Bd. Supervs. Charlevoix Co., let contract building 2-story 38 x 62-ft. rein.-con., brick and steel, concrete foundation, to J. Curtis, Charlevoix.

*Mich., Detroit—Court House—Packard Motor Car Co., Grand Blvd., let contract building 1-story, 60 x 180-ft., steel and concrete, concrete foundation, on Grand Blvd., to Bryant & Detwiler Co., 2336 Dime Bank Bldg. About $50,000.

*Mich., Detroit—Parish House—Grace Episcopal Church, c-o. Smith, Hinchman & Grylls archts., 710 Washington Arcade, let contract building 2-story, 54 x 86-ft., rein.-con., steel and brick, rein.-con. flooring, brick and concrete foundation, on Virginia Park, to Geering Bros., 1850 Penobscot Bldg. About $75,000. Noted June 26.

*Mich., Detroit—Schools—Bd. Educ. let masonry contract building Greusel School, 2-story, 40 x 61-ft., on Moran and Medbury Aves., and Capron School, 2-story, 32 x 39-ft. on Maple and Riopelle Sts., rein.-con., brick and steel, to A. J. Smith Constr. Co., 110 West Fort St., $33,500 and $20,000, respectfully heating, ventilating and plumbing for former to O'Connor Bros., Penobscot Bldg., $13,098; masonry contract for Park School, 1-story, 47 x 137-ft. and 40 x 56-ft., on Milwaukee Ave and East Grand Blvd., to M. A. Mahoney Penobscot Bldg., $52,900, heating, ventilating and plumbing, to J. W. Partlan, 51 Park Pl. $31,187.

*Ill., Champaign—Church—First Congregational Church let general contract building 1-story, 70 x 140-ft., brick and timber, concrete foundation, to English Bros., Champaign. About $100,000.

*Ill., Chicago—Hotel—Chicago Beach Hotel Co., 51st and Cornell Sts., let contract building 12-story, 223 x 233-ft., brick and rein.-con., rein.-con. flooring, concrete foundation to F. C. Lewin, 122 South Michigan Ave About $1,250,000. Noted June 19.

*Ill., Chicago—Library and Office—Holabird & Roche, archts., 104 South Michigan Ave., let contract to G. A. Fuller Constr. Co., 175 5th Ave., New York City, for 15-story 80 x 80-ft. steel and tile, concrete foundation, on Michigan Ave. and Randolph St., for John Crerar Library, Marshall Field Bldg About $1,250,000. Noted Aug. 14.

*Ill., Chicago—Store—E. Iverson & Co., 1342 Milwaukee Ave., let contract building 2-story 61 x 100-ft. brick and concrete, concrete foundation, on Milwaukee Ave. and Elm St., to M. Rauem, 111 West Washington St. About $65,000.

*Ill., Chicago Heights—Theater—Carley & Hansen, let contract building 1-story, 75 x 125-ft. brick and timber, brick foundation, to Engel Bros., Chicago Heights. About $150,000.

*Ill., South Chicago (Chicago P. O.)—Store Office, etc.—J. Rusch, 4811 South Paulina St. let contract building 2-story, 27 x 100-ft. and 22 x 40-ft. brick and rein.-con. store, office and garage, rein.-con flooring, concrete foundation, to T. Koscielski, 8367 Baltimore Ave About $50,000.

*Wis., Beloit—School—Bd. Educ. let contract building, 2-story, 111 x 145-ft., to J. Schneiberg, 945 Bluff St. About $210,000.

*Wis., Menomonee Falls—School—Joint Dist. No. 1, let contract building 1-story 124 x 150-ft. brick and steel, concrete foundation, to W. M. Tuckwell, Old Chicago Rd. Milwaukee. About $65,000; cost plus percentage basis. Noted Aug. 28.

*Wis., Superior—Hospital—F. E. Johnson archt., Superior, let contract building 4-story 30 x 50-ft. rein.-con. and brick, to Hill & Dauplaise, Superior. About $75,000. Owner's name withheld.

*Ia., Council Bluffs—Store—Krasne Bros let contract building 2-story, 70 x 120-ft brick, concrete and steel, concrete foundation at 308 West Bway., to C. O. Christensen, 610 Lainson Ct. About $50,000.

*Ia., Creston—School—Bd. Educ. let contract building 2-story, 52 x 81-ft., brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, to O. M. Woodward, Creston $53,830. Noted Sept. 18.

*Ia., Le Mars—College—Western Union College let contract building 2-story, 60 x 120-ft., rein.-con., brick and steel, concrete foundation, to S. W. Brown, Hutchinson Kan. About $80,000.

*Ia., Newton—Hospital—City let contract building 2-story, 40 x 118-ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, to J. A. Benson Constr. Co., 422 Valley Natl. Bank, Des Moines, $160,000.

*Ia., Patterson—School—Bd. Educ. let contract building 2-story, brick, rein.-con. and steel, rein.-con. flooring, concrete foundation to Woodcock & Waller, Burlington. About $79,000.

*Ia., Pilot Mound—School—Bd. Educ. let general contract building brick, concrete and steel, concrete foundation, to J. W. Hopp Constr. Co., 403 Granby Bldg., Cedar Rapids $56,571; heating and power, to Boughton & Banzhof, Marshalltown, $10,648.

*Ia., Sioux City—Store—Western Iowa Co. 314 Mass. Blk., let contract building 2-story 52 x 10-ft. brick, rein.-con. and steel, concrete foundation, at 301 Wall St., to Keefe Constr. Co., Sioux City, $55,986.

*Ia., Storm Lake—Gymnasium—Buena Vista College let contract building 2-story, 68 x 108-ft., rein.-con., brick and steel, rein.-

Buildings (Continued)

con. flooring, concrete foundation, to standard Constr. Co., Minneapolis, Minn. About $65,000. Noted Aug. 14.

*Ia., Winterset—High School—Bd. Educ. let contract building 2-story, 87 x 130-ft. brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, to A. Suggarman Constr Co., 1214 Mulberry St., Des Moines. About $157,000.

*Minn., Austin—High School—Bd. Educ. let general contract building 3-story, 290 x 300-ft. to Madsen Constr. Co., Builders Exch., Minneapolis. About $450,000.

*Minn., Bemidji—School—State Bd. Control Capitol, St. Paul, let contract building 3-story, 42 x 120 x 120-ft., rein.-con. and brick, brick foudation, to S. M. Klarkuist & Son, 215 Security Bldg., Minneapolis. About $72,000. Noted June 26.

*Minn., Cloquet—City Hall—City let contract building 2-story, 46 x 86-ft., brick and stone, rein.-con. foundation, on Main St., to Timens, Helmer, Schaffer & Colburn, Duluth $55,250. Noted Sept. 25.

*Minn., Rochester—Clinic—A. C. Fawcett Rochester, let contract building 5-story, 46 x 142-ft., rein.-con. and brick, to G. Korsmo Central Bank Bldg., St. Paul. About $300,000; cost plus percentage basis. Noted Sept 11.

*Minn., Willmar—Business—Willmar Tribune let contract building 2-story, 40 x 100-ft., to J. H. Olson & Co., Willmar, $68,543. Noted Sept. 4.

*Kan., Eldorado—High School—Bd. Educ let contract building, 2-story, 101 x 170-ft. rein.-con., brick and steel, rein.-con. flooring rock and concrete foundation, to Hamilton & Hamilton, Wichita, $189,200. Noted Sept. 11.

*Kan., Holton—Court House—Comrs. Jackson Co. let contract building 3-story, 85 x 100-ft. rein.-con., steel and brick, rein.-con flooring, rock foundation, to J. Cuthbert & Sons, 18th and Topeka Aves., Topeka $11,875. Noted Sept. 4.

*Neb., Mead—School—Bd. Educ. let contract building, 2-story, 123 x 125-ft., rein.-con. brick and steel, rein.-con. flooring, concrete foundation, to G. R. Nuthank, Lincoln, $97,773.

*Neb., Omaha—Hospital—J. Latenser & Sons, archts., 632 Bee Bldg., let contract to Selden, Breck Constr. Co., Keeline Bldg., constructing 5-story, 106 x 120-ft., rein.-con. brick and terra cotta, concrete foundation on 26th St. and Dewey Ave., for E. C. Henry 14th and Capitol Aves. About $175,000. Noted Sept. 11.

*Neb., Plainview—School—Bd. Educ., c-o J. W. Blezek, secy., let contract building 2-story, 77 x 169-ft., rein.-con., steel and brick rein.-con. flooring, brick foundation, to G. R Unthank, 1701 Sewell Ave., Lincoln, $59,044.

*S. D., Sioux Falls—School—Bd. Educ. let contract building 1- and 2-story, 65 x 130-ft., brick and timber, to Carlson-Snitkey Constr. Co., Sioux Falls. About $100,000.

*Wyo., Casper—High School—Natrona Co. let contract building 3-story, to Donohue-Selover Constr. Co., Casper, $138,835. Noted July 10.

*Mo., St. Louis—Mercantile—Crowdus Estate, 104 North 1st St., let contract building 6-story, 50 x 150-ft., brick, terra cotta and glazed tile, rock foundation, at 1424 Washington St., to Gorg Constr. Co., Frisco Bldg. About $50,000.

*Ark., Blytheville—Courthouse—Mississippi Co. let contract building courthouse, to B. McGhee & Co., Little Rock, $159,000.

*Tex., Corsicana—Dormitory—State Charity Comn., Austin, let contract building 2-story, 53 x 125-ft. rein.-con., brick and steel rein.-con. flooring, at State Orphan's Home, here, to G. W. Brillhart, 213 West Collins St. About $88,000.

*Tex., Denison—Theater—Rialto Theater Co. let general contract building 3-story, 50 x 120-ft., to C. H. Schley and W. A. Badgett, Denison. About $75,000.

*Tex., El Paso—School—Trustees School Dist. No. 1, Gila Co., Ariz., let contract building school on Hill St., here, to J. J. Garfield Miami, Ariz. About $132,000.

*Okla., Oklahoma—Office—J. Day, 206 Mercantile Bldg., R. W. Dick, 204 Mercantile Bldg., and R. E. Stafford, let contract building 2-story, 50 x 140-ft. brick addition, rein.-con. flooring, concrete foundation, to R. H. Stodard, Oklahoma. About $150,000.

*Okla., Oklahoma—Schools—Bd. Educ. let contracts building 2-story, 63 x 211-ft. and 2-story, 63 x 245-ft., rein.-con., steel and brick, rein.-con. flooring, concrete foundation, to C. M. Dunning Constr. Co., Oklahoma. $88,000 and $90,500, respectively. Noted Aug 21.

*Okla., Oklahoma—Store—Scott-Haliburton Co., 300 West Main St., let general contract building 8-story, 100 x 150-ft. brick and rein.-con., on Main and Harvey Sts., to F. A. Gross Constr. Co., 127 West 2nd St. About $350,000.

*Okla., Tulsa—Store and Office—Aby & Tucker, 403 1st Natl. Bank Bldg., let contract building 2-story, 75 x 140-ft. rein.-con. and brick, on 6th and Main Sts., to J. R Burnsides, 404 Commerce Bldg. About $65,000.

*Colo., Arvada—High School—School Dist let contract building 3-story, 60 x 125-ft rein.-con., steel and brick, rein.-con. flooring concrete foundation, to Kress Constr. Co. Denver, $70,600. Noted Sept. 11.

*Idaho, Boise—Capitol—Comrs. Pub. Wks let contract building two 2-story wings to Capitol, to J. Stewart & Co., Walker Bank Bldg., Salt Lake City, Utah. Cost between $750,000 and $770,000. Noted Sept. 18.

*Idaho, Moscow—Administration—Dept Educ., State House, Boise, let contract constructing south wing of administration building, concrete and brick, at University of Idaho, here, to Roth Constr. Co., Pullman Wash. Cost to exceed $50,000.

*Wash., Spokane—Temple—B. P. O. E. of Spokane let contract building 2-story, 100 x 142-ft., concrete, on Riverside Ave., to Hurley-Mason Co., Gasco Bldg., Portland. About $146,000. Noted July 24.

*Ore., Portland—Office—Lewis & Staver Co. 346 East Morrison St., let contract constructing 4-story, 100 x 120-ft. rein.-con. building rein.-con. flooring, concrete foundation, on Bway. and Everett St., to include sales rooms service department, stock rooms, shop, etc. to G. Isackson, 1013 East Irving St. About $80,000. Noted July 24.

*Ore., Seaside—Hotel—Seaside Hotel Corp let contract building 1st unit of 4-story 70 x 300-ft. brick and concrete hotel, on beach at Bway., to include large annex and seawall, to M. W. Lorenz, Worcester Bldg., Portland. About $100,000. Total cost, $300,000 Noted Aug. 7.

*Cal., Berkeley—Schools—Bd. Educ. let carpentry contracts building 1- and 2-story, 36 x 84-ft., and 60 x 104-ft., timber, wood and concrete flooring, concrete foundation, on University Ave. and Acton St., to S. J. Bertelsen, 667 39th St., Oakland, $30,950; 1-story 50 x 200-ft., brick, concrete and wood flooring concrete foundation, on Oregon and McGee Sts., to C. Christiansen, 1433 Franklin St. $21,864; 1-story, 60 x 291-ft., brick, rein.-con. flooring, concrete foundation, on Russell St., to C. D. Vezey, 1812 Prince St., $31,357; 1-story, 89 x 175-ft., timber, concrete foundation, on Claremont Ave., to M. Norton $17,777. Noted Aug. 28.

*Cal., Los Angeles—College—University of Southern California let general contract building 3-story, 137 x 253-ft., rein.-con brick and steel, concrete foundation, on University Ave. near 36th St., to E. C. English 508 Citizens Natl. Bank Bldg., $387,300; wiring and fixtures, to Foulkes Electric Shop 903 South Figueroa St., $12,220; heating and ventilating, to T. Haverty Co., 9th St. and Maple Ave., $27,980; structural steel, to Baker Iron Wks., 920 North Bway., $36,441.

*Cal., Los Angeles—Natatorium—E. E. Stone, et al., San Francisco, let contract building natatorium on 4th St. and Vermont Ave., here, to Milwaukee Bldg. Co., 310 Wright & Callender Bldg. About $300,000.

*Cal., San Francisco—Mausoleum—Archbishop of City let contract building 85 x 160-ft., rein.-con., marble, stone and bronze in Holy Cross Cemetery, to J L. McLaughlin, 244 Kearny St. About $250,000.

*Cal., San Francisco—Office—W. F. McClure, state archt., Forum Bldg., let general contract constructing state office building, at Civic Center, to K. E. Parker Co., Clunie Bldg., $180,690; fabricating and delivering structural steel, to Palm Iron Wks., 1814 15th St., Sacramento, $101,000; granite work, to Raymond Granite Co., Laymond, $339,680 Noted Sept. 11.

*Cal., Santa Barbara—Bank—Santa Barbara Co., Natl. Bank, let contract building 1-story, 71 x 100-ft., concrete and brick, to Parker Brick Co., 605 East Monticito St About $65,000.

*Cal., Ventura—Hospital—Bd. Supervs. Ventura Co., let contract constructing 2-story rein.-con. main building, hollow-tile service building, nurses' home, etc., concrete foundation, to E. E. English, 508 Citizens Natl. Bank Bldg., Los Angeles, $90,200.

Federal Government Work

*N. H., Portsmouth—Turbo Generator—Spec. 4017—Bureau Yards and Docks, Navy Dept., Wash., D. C., let contract installing 1000-kw. turbo alternator, at Navy Yard, here to Rideout, Chandler & Joyce, 178 High St., Boston, Mass., $9066 (130 days).

*Mass., Boston—Dredging—U. S. Engr. Office, Boston, let contract dredging in Weymouth Fore River, to Boston Dredging Co 172 Condor St., East Boston, $132,468.

*Mass., Chatham—Gutters and Roofing Bureau Yards & Docks, Navy Dept., Wash. D. C., let contract building gutters, roofing and downspouts for dirigible hangars, here to C. Meade Co., 38 Park Row, New York City. Noted Aug. 14.

*Mass., Hingham—Dredging—Spec. 4031 Bureau Yards & Docks, Navy Dept., Wash. D. C., let contract dredging at Naval Ammunition Depot, here, to Bay State Dredging & Constr. Co., 62 Condor St., East Boston $30,000 (165 days). Noted Sept. 18.

*Mass., Watertown—Storehouse—Constr engr., U. S. Army, c-o. Arsenal, let contract for substructure of 2-story, 100 x 400-ft. reinforcor storehouse, to M. Sorretto, 5 Tremont Row, Boston. Noted Sept. 11.

*R. I., Newport—Dredging—U. S. Engr Office, Newport, let contract dredging in Providence Harbor, to J. S. Packard Dredging Co., 1004 Turks Head Bldg., Providence $23,586.

*R. I., Newport—Dredging—U. S. Engr. Office, Newport, let contract removing boulders in Pawtucket River, R. I., and Conn., to T. A. Scott Co., Inc., 292 Pequot Ave., New London Conn., $2750. Noted June 5.

*Conn., New London—Dredging—U. S Engr. Office, New London, let contract dredging Bridgeport Harbor and repairing breakwater, to Bridgeport Dredge & Dock Co. 83 Fairview Ave. About $100,000. Noted Sept. 18.

*N. Y., New York—Dredging—U. S. Engr Office, 39 Whitehall St., let contract dredging and removing rocks in East River, to New Jersey Shipbuilding & Dredging Co., foot of 28th St., Bayonne, N. J., $668,122. Noted Sept 18.

*N. Y., Rockaway—Gutters and Roofing Spec. 4022—Bureau Yards, Navy Dept., Wash. D. C., let contract building gutters, roofing and downspouts for dirigible hangars, here to C. Meade Co., 38 Park Row, New York City. Noted Aug. 14.

*N. Y., Rockaway—Heating System and Fan Room—Spec. 4021—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing heating system and building fan room for Hangar No. 2, here, to E. Rutzler & Co., 404 East 49th St., New York City $7592 (60 days). Noted Sept. 25.

*N. Y., Stapleton—Boiler Plant—Treas Dept., Wash., D. C., let contract building temporary boiler plant at Marine Hospital, here to J. R. Proctor, 74 Cortlandt St., New York City, $2775. Noted Sept. 11.

*N. Y., Stapleton—Mechanical Equipment—Treas. Dept., Wash., D. C., let contract furnishing and installing mechanical equipment in kitchen and mess hall, to G. E. Eng. Co., 22 Laigat St., New York City, $86,550. Noted July 31.

*N. Y., Tompkinsville—Rip Rap—Lighthouse Supt., 3rd Dist., let contract furnishing 2800 tons rip rap stone at certain lights in East River, to H. Steers, Inc., 17 Battery Pl., New York City, $7980. Noted Sept. 25

*Pa., Ft. Mifflin—Conveyor System—Bureau Yards & Docks, Navy Dept., Wash. D. C., let contract installing conveyor system in T. N T. Plant, here, to Lamson Co., 100 Boylston St, Boston, Mass., $6868 (35 days).

*Pa., Lock Haven—Post Office—Treas. Dept., Wash., D. C., let contract building post office here, to A. E. Badgley & Co., Stone Opera House Bldg., Binghamton, N. Y., $64,927. Noted Sept. 4.

*Pa., Phila.—Repairing Dike—U. S. Engr Office, Phila., let contract repairing dike at Bulkhead Bar, to Arundel Corp., Phila. $44,880. Noted Sept. 18.

*Pa., Phila.—Roads and Pavements—Bureau Yards & Docks, Navy Dept., Wash. D. C., Let contract, building here, to Curtis Bros., Bank Bldg., Tacony, $10,350 (40 days)

*Del., Wilmington—Jetty Repairs—U. S Engr. Office, Old Federal Bldg., let contract repairing jetty at mouth of Broadkill River to J. H. Terry & Co., Drexel Bldg., Phila $26,145. Noted Aug. 21.

*Md., Annapolis—Boiler—Spec. 4025—Bureau Yards & Docks, Navy Dept., Wash. D. C., let contract installing in Power Plant here, to E. Keeler Co., 238 West St., Williamsport, Pa., $37,249 (120 days).

*Md., Annapolis—Paving—Spec. 4028—Bureau Yards & Docks, Navy Dept., Wash., D C., let contract paving, here, to E. F. Nonahan, 195 Hastings St., Manhattan Beach, N Y., $23,957, (50 days). Noted Sept. 4.

*Md., Annapolis—Power House Addition—Spec. 4026—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building here, to Levering & Garrigue, 552 West 23rd St., New York City, $81,877. Noted Aug. 28.

Federal Government (CContinued)

*Md., Annapolis—Waterproofing—Spec. 4036 Bureau Yards & Docks, Navy Dept., Wash. D. C., let contract waterproofing terrace roof of Bancroft Hall, here, to Levering & Garrigue Co., 552 West 23rd St., New York City $57,594 (45 days) Noted Sept. 18.

*Md., St. Helena—Pavement—U. S. Shipping Board Emergency Fleet Corp., Phila., Pa., let contract paving 2455 sq.yd. concrete building 248 lin.ft. concrete curb and gutter and 1017 sq.ft. concrete sidewalk, to Commonwealth Constr. Co., Commonwealth Bank Bldg.

*D. C., Wash.—Grading—Dist. Comrs., Dist. Bldg., let contract grading, here, to G. B. Mullen, H. F. Voigt Co., 715 14th St., N. W., and W. F. Brenizer Co., 101 New York Ave. N. W. Noted Sept. 11.

*D. C., Wash.—Reflecting Basin—C. Ridley, Dept. Pub. Wks., let contract excavating 130,000 cu.yd. material from lagoon and concrete conduit 650 ft. long, 3 ft. in diameter for reflecting pool at Lincoln Memorial, to Fisher & Carozza Bros. Co., 803 Calvert Bldg., Baltimore, Md., (1) $44,512; (2) $.85. Total cost, $155,012. Noted Oct. 2.

*D. C., Wash.—Wharf Repairs—Spec. 4029—Bureau Yards & Docks, Navy Dept., Wash. D. C., let contract repairing wharf at Naval Militia Barracks, here, to Boyle Robertson Constr. Co., 601 Evans Bldg., $4,109 (50 days) Noted Sept. 25.

*Va., Hampton Roads—Grading, Fertilizing, Planting and Seeding—Spec. 4040—Bureau Yards & Docks, Navy Dept., Wash. D. C., let contract grading, fertilizing, planting and seeding, here, to Southern Team & Constr. Corp., 304 Bankers Trust Bldg., Norfolk, $84,700, (118 days).

*Va., Hampton Roads—Gutters and Roofing—Spec. 4022 Bureau Yards & Docks Navy Dept., Wash., D. C., let contract building gutters, roofing and downspouts for dirigible hangars, here, to C. Meade Co., 38 Park Row, New York City. Noted Aug. 14.

*Va., Quantico—Marine Flying Field—Spec 4059 Bureau Yards & Docks, Navy Dept. Wash., D. C., let contract building marine flying field, here, to C. Meade & Co., 38 Park Row, New York City, $218,120 (250 days).

*S. C., Charleston—Distributing System—Spec. 3977—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing distributing system, here, to J. R. Proctor, Inc., 74 Cortlandt St., New York City, $28,950 (200 days). Noted Sept. 18.

*S. C., Charleston—Turbo Alternator—Spec. 4011—Bureau Yards & Docks, Navy Dept. Wash., D. C., let contract installing 2500-K.V.A. turbo-alternator, to Shevlin Engr. Co. 10 West 34th St., New York City. $25,680, (120 days). Noted Sept. 25.

*Ala., Mobile—Repairs and Plumbing—Treas. Dept., Wash., D. C., let contract for repairs and plumbing in U. S. Marine Hospital, here, to Jett-Muths Co., 311 South Royal St., $13,700.

*Tenn., Memphis—Levee Work—Mississippi River Comn., 1st and 2nd Dists., Custom House, let contract building levee work in Lower St. Francis Dist., to Lawrence Bros. & Co., Memphis, $284,040. Noted Sept. 25.

*Tenn., Memphis—Rip Rap—Mississippi River Comn., 1st and 2nd Dists., Custom House, let contract furnishing rip rap, to Southern Granite Co., Little Rock, $77,100 Noted July 31.

*Tenn., Memphis—Towboat—Mississippi River Comn., 1st and 2nd Dists., Custom House, let contract furnishing stern-wheel towboat, to J. Eichleay, Jr., Co., 20th and Wharton Sts., Pittsburgh, Pa., $105,489. Noted Aug. 7.

*Kan., North Topeka—Post Office—Treas. Dept., Wash., D. C., let contract building, here, to W. D. Lovell, 1415 8th St., Minneapolis, Minn., $53,800. Noted Sept. 25.

*Nev., Winnemucca—Post Office—Treas. Dept., Wash., D. C., let contract building, here, to F. Gallagher, 180 Jessie St., San Francisco, Cal., $41,280. Noted Sept. 25.

*Wash., Puget Sound—Air Compressor—Spec. 3837—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing reciprocating air compressor, here, to Allis Chalmers Mfg. Co., Milwaukee, Wis., $56,900 Noted Aug. 28.

*Wash., Puget Sound—Building—Spec. 4009—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract construction extension to Building No. 178, here, to Garrick & Garrick, 403 Central Bldg., Seattle, $38,375 (60 days) Noted Sept. 11.

*Cal., San Diego—Road Work—Spec. 4030—Road Work—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building asphalt macadam roads, here, to W. E. Kier Constr. Co., 813 Amer. Natl. Bank, $3433 (21 days). Noted Sept. 11.

*Cal., San Diego—Tank—Spec. 4033—Local Navy Yard let contract installing fuel oil tank, at Naval Depot, here, to F. W. Steffgen 1040 2nd St., $1773 (30 days). Noted Sept. 11.

*Hawaii, Honolulu—Dredging—U. S. Engr Office, Honolulu, let contract dredging main basin and reserve channel, Honolulu Harbor to Hawaiian Dredging Co., Honolulu, $140,790, and $57,225, respectively. Noted June 26.

*Hawaii, Pearl Harbor—Boiler House—Spec. 3931—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building terra cotta boiler house, at Hospital, here to C. L. Wold Co., 40 Montgomery St., San Francisco, Calif., $363,889 (270 days). Noted Sept. 4.

Miscellaneous

*Extending Electric Service—Massachusetts—Webster & Southbridge Gas & Electric Co., Southbridge, will extend electric distribution service in West Oxford, North Oxford Mills, Texas Village, Old Charlton and Howarths. About $25,000. Work will be done by day labor.

*Coal Pocket—Newport, R. I.—Newport Coal Co., 311 Thames St., will build rein.-con. coal pocket on wharf. About $10,000. Work will be done by day labor.

*Memorial Arch—Providence, R. I.—Brown University, College St., let contract building limestone memorial arch gateway, with 3 gates, columns and bronze tablets, to C. B. Maguire Co., 1205 Turks Head Bldg. About $40,000. Noted June 19.

*Tank—Olneyville (Providence P. O.) R. I—Atlantic Mills let contract building 300,000-gal. rein.-con. oil tank, to O. D. Purington & Co., 626 Industrial Trust Bldg., Providence.

*Foundation—Bridgeport, Conn.—Amer Tube & Stamping Co., 471 Hancock Ave., let contract building concrete foundation for 1-story, 60 x 200-ft. concrete and steel addition to storage plant, on Stratford Ave., to T. J. Pardy Constr. Co., 1471 Seaview Ave. Total cost, $35,000.

*Power Line—Hallville, Conn.—Westerly Light & Power Co., Westerly, R. I., let contract building 18-mi. high-tension power line from here to Westerly, R. I., 7,000-kw. capacity, to Eastern Comn. Power Co., New London. About $100,000.

*Foundation—New Britain, Conn.—Landers Frary & Clark, Commercial St., let contract building concrete foundation for 6-story, 80 x 160-ft., brick and mill construction and 1-story, 50 x 160-ft. brick factories, rein.-con. flooring, on Center St., to MacArthur Concrete Pile & Foundation Co., 120 Bway., New York City. Total cost, $150,000. Noted Oct. 30 under "Industrial Works."

*Retaining Wall—Thompsonville, Conn.—Bigelow-Hartford Carpet Co., 58 Main St., let contract building 700-ft. concrete and stone retaining wall along power house and Connecticut River, to D. O'Connell Son, 480 Hampdon St., Holyoke, Mass. About $40,000.

*Coal Bunkers—Waterbury, Conn.—Waterbury Clock Co., 31 Cherry Ave., let contract building 32 x 40 x 72-ft. brick and concrete coal bunker, 2200-ton capacity, to Standard Constr. Co., 42 Church St., New Haven. About $30,000. Noted Sept. 18.

*Station—Brooklyn, N. Y.—J. H. Delaney comr. transit constr., let contract constructing station finish for part of Culver Rapid Transit R.R., extending over and along Shell Rd. and West 6th St., from near X to Sheepshead Bay Rd., to P. J. Carlin Constr. Co. 1123 Bway., New York City, $39,740. Noted Sept. 25.

*Pier and Bulkhead—Clifton, S. I., N. Y.—Fraser, Brace & Clark Drk Dock Co., Inc. 47 West 34th St., New York City, let contract building 60,000 sq.ft. pier and 50,000 sq.ft. bulkhead, rein.-con. and timber, here, to Fraser, Brace & Co., Inc., 47 West 34th St. New York City. About $200,000.

*Asphalt—New York, N. Y.—City let contract furnishing and delivering 150,000-ton refined asphalt and 150-ton asphaltic paving cement, to Standard Oil Co., 26 Bway., $7455 and $2700, respectively; 2000 cu.yd. binder stone, to New York Trap Rock Co., 17 Battery Pl., $3900; 4000 cu.yd. asphalt wearing surface sand, grade "B," to C. W. Crane, 17 Battery Pl., $4800.

*Cast Iron Pipe, etc.—New York, N. Y.—Dept. of Water Supply, Gas & Electric let contract furnishing and delivering c.-i. pipe and valve boxes, to J. Fox & Co., 253 Bway. $17,895 and $1115 respectively; valves, to A. P. Smith Mfg. Co., Norman St., East Orange N. J., $540; hydrants, to Kennedy Valve Mfg. Co., 81 John St., $1054.

*Wall—Weehawken, N. J.—Bd. Freeholders of Hudson Co. let contract repairing wall of Hudson Blvd. opposite Hudson Pl., here, to R. J. Emmer, 150 Nesbit St., $14.70 per cu.yd. Cost to exceed $10,000. Former contract rescinded. Noted Sept. 25.

*Concrete Shipway—Fairfield, Md. (Baltimore P. O.)—Union Shipbuilding Co. let contract constructing concrete shipway, to Empire Eng. Co., Inc., 103 Bourse Bldg., Baltimore. About $200,000.

*Coke Ovens and Sheds—Dayton, O.—Maxwell Motor Car Co., Leo St., let contract building coke ovens and three 1-story, 30 x 40-ft., steel and brick sheds, brick foundation, to J. Lowes, Schwind Bldg. About $17,000. Noted July 17.

*Sheds, Runways, Platforms, etc.—Springfield, O.—Union Stock Yards Co. let contract constructing stock sheds, runways bridges, roads, platforms, 2 rein.-con. and several timber buildings, including office, at new stock yard, to Cosgrove Bldg. Co. Springfield. About $65,000.

*Iron Pipe and Valves—Detroit, Mich. Dept. Purchases & Supplies let contract to Amer. Cast Iron Pipe Co., 512 1st Natl Bank Bldg., Chicago, furnishing 1000 tons 8-in. class B pipe in 16-ft. lengths, $1.36 per lin.ft.; U. S. Cast Iron Pipe & Fdry. Co. 122 South Michigan Blvd., Chicago, 500 tons 8-in. class B in 12-ft. lengths, $59.50, 1500 tons 6-in. class B in 12 ft. lengths, $59.50, 1500 tons 24-in. class C, $55.50, 1500 tons 16-in. class C $55.50 Flower Valve Mfg. Co., Clayton Ave., seven hundred and forty-four 6-48-in. gate valves, $104,240. Noted Sept. 18.

*Seawall—Detroit, Mich.—Dept. Parks and Blvds., 822 Farewell Bldg., let contract furnishing labor and material building rein.-con. seawall on west end of Belle Isle, for J. Scott Memorial Fountain, to Dunbar & Sullivan Dredging Co., 2311 Dime Bank Bldg., $85,200 Work involves 60,000 tons of stone at prices from $1.42 to $2.25 per ton. Noted Sept. 4.

*Tapping Sleeves and Lead—Detroit, Mich.—Bd. Water Comrs., 232 Jefferson Ave., let contract furnishing 212 tapping sleeves, varying in size from 4 x 2-in. to 12 x 48-in., to Flower Valve Mfg. Co., Parkinson St., $12,085; 100 tons pig lead, to Michigan Smelting & Refining Co., Joseph Campau Ave., $6.20 per ton, total, $12,400.

*Cattle Runaway—Chicago, Ill.—Union Stock Yards & Transit Co., Union Stock Yards, let contract building 12 x 950-ft. rein.-con. runaway, 30 ft. high, on Ashland Ave. and 41st St., to E. W. Sproul & Co. 2001 West 39th St. About $50,000.

*Foundation—Chicago, Ill.—Buckley Demen & Co., 632 Sherman St., let contract building concrete foundation for 6-story, 100 x 120-ft. printing and mailing plant, on Jackson Blvd. and Throop St., to C. B. Johnson & Son, 111 West Washington St. Total cost, $300,000. Noted Aug. 21 under "Industrial Works."

*Foundation—Janesville, Wis.—Bd. Educ let contract building concrete foundation for 3-story, 180 x 210-ft. rein.-con. and brick school, to Ford Boos & Schoot, 209 East Milwaukee Ave. About $33,200. Total cost, $300,000.

*Road Roller—Sheboygan, Wis.—City let contract furnishing 15-ton steam road roller to Buffalo-Springfield Co., Kenton St., Springfield, O., $10,650. Noted July 24.

*Incinerator—Sedalia, Mo.—City let contract building 24-ton incinerator, to O. A. Elliot & Co., Springfield, Ill. About $15,500

*Tunnel—Quinton, Ore.—State Highway Comn., Portland, let contract building 522-ft. tunnel on John Day River-Blalock Sect. Columbia River Highway, Gilliam Co. to A. Guthrie & Co., Sherlock Bldg., Portland, $41,858. Noted Sept. 25.

*Weir—Hanford, Cal.—Last Chance Water Co. let contract building cement weir in canal at Kings River, 5 mi. northwest of here, to Frederickson & Shannon, Cory Bldg., Fresno About $29,000.

*Foundation—Los Angeles, Cal.—Goodyear Tire & Rubber Co., of California, let contract building concrete foundation for 3-story, 130 x 580-ft., rein.-con. cotton mill, at 6601 Central Ave., to Hunkin-Conkey Constr. Co., 6601 Central Ave., $15,000. Total cost, $300,000.

*Structural Steel—Los Angeles, Cal.—Bd. Pub. Serv. Comn., 645 South Olive St., let contract furnishing about 200,000 lbs. structural steel, for hydro-electric plant, to Union Iron Wks., 5125 Sante Fe Ave., $13,188.

*Cement—Sacramento, Cal.—State Recl. Bd. let contract furnishing 5000 bbls. Portland cement, f.o.b. point on Sacramento River, near Bright's bend, to Old Mission Portland Cement Co., Mills Bldg., San Francisco, $2.63 per bbl.

Waterworks

PROPOSED WORK

Mass., Palmer—Town plans to install water system. About $250,000. Engineer not selected.

R. I., Woonsocket—City plans to lay 30 in. water main, from Manville Rd. pumping station to storage tanks in Benton Heights. About $230,000.

Conn., Stamford—Stamford Water Co., 271 Main St., plans to build new rein.-con. reservoir and dam at Trinity Lake. Private plans.

N. J., Hamilton Square (Trenton P. O.)—Hamilton Sq. Water Co. will apply to Utility Comn. for permission to lay 1 mi. water mains. About $20,000.

Md., Elkton—Town Comrs. plan to build filtration plant and enlarge water mains. About $65,000. L. J. Houston, Jr., 608 Parkwyrth Ave., Baltimore, engr.

Fla., Tallahassee—City plans to build and equip water and gas plant. About $65,000. Engineer not selected.

Tenn., Memphis—City retained Chester & Fleming, engrs., Union Bank Bldg., Pittsburgh, to survey city water system and report on necessary improvements and extensions. Plans probably will include new wells, tunnels, etc.

O., Barberton—City plans to lay 15 mi. 6-24 in. c.i. water mains. R. W. Pratt, Hippodrome Bldg., Cleveland, engr.

O., Cleveland—City having preliminary plans prepared building filtration plant, 160,000,000 gal. capacity. About $5,000,000. R. Hoffman, city engr.

O., Portsmouth—City plans to extend water mains, rein. con or c.i. pipe. About $30,000. L. A. Zucker, city aud.

Wis., Milwaukee—J. W. Ellms, engr., 1263 Cooke Ave., Cleveland, O., will complete experiments about Feb. 1, for construction of filtration plant and will submit same to City Council for its action. Cost between $4,000,000 and $5,000,000.

Wis., Racine—City having plans prepared for filtration plant and enlargement of storage and extension of distribution facilities. Alvord & Burdick, 8 South Dearborn St., Chicago, Ill., engrs.

Wis., Rio—City plans to install water system. W. Kirchoffer, 31 Roman Blk., Madison, engr.

Ia., Belle Plaine—City having plans prepared by J. H. Dunlap, engr., Iowa City, improving waterworks. About $70,000.

Kan., Coldwater—City voted $35,000 bonds to improve waterworks and electric light plant. W. T. Baker, clk.

Kan., Courtland—City voted $45,000 bonds to build waterworks system. Engineer not selected.

Kan., Florence—City voted $50,000 bonds to purchase and improve waterworks system.

Kan., Osborne—City had plans prepared by Archer & Stevens, engrs., 609 New England Bldg., Kansas City, Mo., improving waterworks system, including 4,800 ft. drain pipe and two wells. About $20,000. Noted June 5.

Kan., Palmer—City having plans prepared by W. B. Rollins & Co., engrs., 209 Ry. Exch. Bldg., Kansas City, Mo., building waterworks system, standpipe, pipe lines, etc. About $20,000.

Neb., Auburn—City plans election to vote on $55,000 bonds to improve waterworks system, install new boilers, pumps, enlarge plant and extend pipe line. Archer & Stevens, 609 New England Bldg., Kansas City, Mo., consult, engrs.

Neb., Lincoln—City plans election to vote on $200,000 bonds to extend waterworks system. Plans include 10,000,000 gal. pump. Burns & McDonnell, 400 Interstate Bldg., Kansas City, Mo., engrs.

Neb., Schuyler—City plans to build waterworks system, involving 53,390 ft. c.i. pipe, 81 hydrants and 58 gate valves. Engineer not selected.

N. D., Fessenden—City plans to build well system, and mains in various streets. About $50,000.

Mont., Great Falls—City voted $225,000 bonds to improve waterworks system. L. B. Evenson, city engr. Noted Aug. 28.

Mont., Roundup—City plans to lay 10 in. water mains from 13th Ave. to 3d St. W., to connect with reservoir, Dist. No. 32. About $12,000. F. Quinnell, Roundup, engr.

Mo., Joplin—City plans election soon to vote on $500,000 bonds to purchase and improve present waterworks system. Burns & McDonnell, 400 Interstate Bldg., Kansas City, engrs.

Mo., Webb City—City plans election soon to vote on $300,000 bonds to improve waterworks system.

Tex., San Angelo—San Angelo Water, Light & Power Co. Plans to build filtration and purification plant. Cost between $40,000 and $50,000. Noted Feb. 6.

Okla., Eufaula—City voted $25,000 bonds to extend waterworks system.

Okla., Hobart—City plans to build dam, 14 in. gravity flow line and pumping station. About $120,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma, engrs.

Okla., Hominy—City having plans prepared completing waterworks system, doubling sewerage system, constructing new filtration unit, standpipe and sidewalks. About $350,000. C. E. Lee, city engr.

Okla., Perry—City having plans prepared for extending waterworks and improving electric light system. About $250,000. Black & Veatch, Interstate Bldg. Kansas City, Mo., engrs. Noted Feb. 20.

Idaho, McCammon—City voted $35,000 bonds to purchase Harkness Water System and build complete waterworks system. Work includes enlarging plant, installing new mains, remodeling present construction and general repairs.

Wash., Tacoma—City plans to build concrete reservoir, 140,000 gal. capacity, on Wapato Hill, to provide storage to guard against breakdowns in Green River gravity system. About $175,000.

Ore., Ashland—City Council having preliminary plans made for 25,000,000 gal. concrete reservoir, on east fork of Ashland Creek, cost $20,000; also plans to install water meters throughout residential district.

Ore., La Grande—City plans to develop water system, involving 35 mi. pipe line and appropriating thirty 2nd ft. water from Looking Glass Creek. About $5,000,000. P. Cupper, Salem, State engr.

Ore., Reedsport—City having preliminary plans prepared for gravity water system with 180 ft. fall, and 32,000 ft. 8 in. waterpipe line, from Clear Lake to city. About $100,000.

Cal., Glendale—City Trustees plan election to vote on $260,000 bonds to extend water system and build power generating plant, and have sent out statement advocating following: 2 wells, 2 pumps and booster pump at San Fernando Rd. and Grand View Ave., $33,500; 30 in. trunk line from Verdugo Canyon to Doran St., $35,000; 7,500,000 gal. reservoir at entrance to Verdugo Canyon, $40,000; 20 in. pressure main from reservoir to middle of Verdugo Canyon, $34,800; wells and pumps in Verdugo Canyon, $32,000; 16 in. pressure main from main pumping plant to Grand View Ave., $19,000; reservoir at Grand View Ave., $8000; pumping plant at this reservoir, $3000; 5 mi. water mains and laterals, $34,250; electric generating plant with 100 k.w. generator, driven by Pelton water wheel at Verdugo Canyon reservoir, $9700; purchase of additional water rights, $10,000.

Cal., Redlands—Redland-Yucaipe Land & Water Co. plans to sink wells and lay water pipe on land, near here. About $75,000.

Cal., Whittier—City voted $361,000 bonds to develop additional water supply, extend distributing system and provide additional storage for water system. J. B. Lippincott, 1134 Central Bldg., Los Angeles, engr. Noted Mar. 27.

Ont., Brantford—R. S. and W. S. Lea, engrs., New Birks Bldg., Montreal, submitted preliminary report to Water Comn., for construction of filtration plan with slow sand filers, 3,000,000 gal. capacity. Cost between $500,000 and $600,000. T. Jones, city engr.

Ont., Kingston—City plans to lay water mains in sections of Concession and Ellerbeck Sts. and gas main in Brock St. About $15,000. Work involves 3200 ft. 6 in. c.i. pipe. R. J. McLelland, City Hall engr.

Man., Winnipeg—W. G. Chase, engr., 201 Tribune Bldg., will submit report to City Comrs. for construction of 50,000,000 gal. reservoir. About $500,000

B. C., Penticton—Town plans election in January to vote on $35,000 by law to build new reservoir and extend waterworks system. B. C. Bracewell, clk. C. E.

Sewers

PROPOSED WORK

Vt., Brattleboro—City plans to install 6000 ft. drainage system in Main St. Engineer not selected.

Mass., Millbury—City of Worcester plans to build sewage disposal plant here. About $250,000. Private plans.

Conn., Derby—City appropriated $33,000 to extend sewerage system. Engineer not selected.

N. J., North Bergen—Town Council plans to build storm water sewer in Secaucus Rd., from Hackensack Plank Rd. to Paterson Plank Rd. About $25,000.

Pa., Franklin—City having surveys and reports made by M. Knowles, engr., Jones Law Bldg., Pittsburgh, for complete sewage disposal plant. About $200,000.

Md., Elkton—Town Comrs. plan to build sewerage system, involving 6-12 in. terra cotta pipe. About $15,000. L. J. Houston, Jr., 608 Parkwyrth Ave., Baltimore, engr.

W. Va., Wellsburg—City voted $30,000 bonds to build sewers in 10th and 24th Sts.

N. C., Concord—City plans to extend sewerage system. Cost, between $15,000 and $20,000. R. J. Long, city engr.

N. C., Enfield—City plans to build waterworks and sewerage systems. About $75,000. J. B. McCrary Co., 3d Natl. Bank Bldg., Atlanta, Ga., engrs.

N. C., Gastonia—City plans to construct sewage disposal plant and extend sewerage system and waterworks. About $100,000. W. M. Piatt, Durham, engr.

N. C., Lexington—City having plans prepared extending water and sewerage systems.

Fla., Tallahassee—City plans to install septic tank and two lines of sewers in Duval and Bronough Sts. About $10,000.

Ala., Gadsden—City issued $90,000 bonds to build sewers and electric distribution system. E. Smith, city engr.

O., Cincinnati—City plans to build 1400 ft. sewer in 1st Ave. and right-of-way; cost, $12,450; 1210 ft. pipe and 2700 ft. trunk sewer in Millsdale Ave. and right-of-way, and Beach Ave., $39,000; 11,830 ft. pipe and 1555 ft. trunk sewer, Madisonville Contract No. 4, $80,000. F. Krug, city engr.

O., Dayton—City plans to lay 6 to 18 in. vitr. pipe sewers in Brandt, Valley, Urbana, Paw Paw, Stegman, Leo, Bickmore and Bellefontaine Sts., Sanitary Dist. No. 3. About $10,000. F. O. Eichelberger, city engr.

O., Hamilton—City plans to lay 3,000 ft. 6-30 in. vitr. pipe, in Prospect Hill Sanitary Sewer Dist. About $67,000. F. E. Weaver, city engr.

O., Medina—Village plans to build sewerage system and sewage disposal plant. G. Gascoigne, City Hall, Cleveland, engr.

Mich., Marysville—City plans to install complete sewerage system, to include sewage treatment works, trunk sewers and laterals. Smith, Hinchman & Grylls, 710 Washington Arcade, Detroit, engrs.

Mich., Port Huron—City had plans and estimates prepared by E. R. Whitmore, engr., City Hall, furnishing and laying 5000 ft. 8-12 in. vitr. crock lateral sewers in Oak and Division Sts., from 20th to 24th Sts. About $13,000.

Wis., Beloit—City having plans prepared building 1 mi. 30 in. storm sewers, in east and west sides. G. E. Heebink, city engr.

Wis., Cumberland—City plans to excavate and lay 3.1 mi. vitr. pipe sewer and install sewage disposal plant. Cost between $25,000 and $30,000. Private plans.

Wis., Eau Claire—City voted $75,000 bonds to lay trunk sewers in various streets. J. L. Hurd, city engr.

Wis., Marion—City plans to excavate and lay 2 to 3 mi. vitr. pipe sewer in various streets and install sewage system. About $50,000. L. P. Pelishek, Clintonville, engr.

Wis., Wauwatosa—City plans to build sewage disposal plant. About $30,000. J. E. Lowther, city engr.

Minn., Warren—City having survey made by L. P. Wolff, engr., 1001 Guardian Life Bldg., St. Paul, for storm water sewerage system and street paving. About $100,000.

Sewers (Continued)

Minn., Wells—City having plans prepared by L. P. Wolff, engr., 1001 Guardian Life Bldg., St. Paul, for extension of storm water and sanitary sewerage systems. About $60,000.

Kan., Douglas—City having plans prepared by F. E. Devlin, engr., Douglas, building 35,080 ft. 8-12 in. sewers in various streets.

Kan., Hutchinson—City passed resolution to build 26,000 ft. sanitary sewers in various streets. B. Lee, city engr.

Neb., Battle Creek—City having surveys made for sewerage system and sewage disposal plant. About $45,000. W. E. Standeven, 617 Bee Bldg., Omaha, engr.

Neb., Ord—City having plans prepared by Rohrbough Eng. Co., engrs., 929 City Natl. Bank Bldg., for sewerage system in Will Ave. Work involves 7000 ft. 12 in. inlet, 5670 ft. 36-48 in. rein.-con. and 7070 ft. 12-36 in. vitr. pipe. About $98,000. Noted Sept. 11.

Mont., Billings—City voted $400,000 bonds to build storm sewerage system. E. M. Sneckenberger, city engr. Noted Sept. 18.

Tex., Plainview—City Council voted $50,000 bonds to improve sewers.

Okla., Cleveland—City voted $20,000 bonds to build sewers in various streets. Engineer to be selected at once.

Okla., Shawnee—City voted $50,000 bonds to extend and repair sewerage system. F. D. Brown, city engr.

Okla., Tulsa—City plans to build sewage disposal plant, to have sufficient capacity to take care of entire city. About $250,000. C. E. Briggs, city engr.

Colo., La Juanita—City plans to install sewerage system in Dist. No. 1, which comprises all business section and 7-10 of residential section. About $50,000. F. T. Lewis, engr.

Idaho, Lewiston—City having plans prepared building sewerage system to cover entire eastern section of city, and connect with trunk line of downtown sewer, 9 ft. deep. About $13,959. J. Burns, Lewiston, engr.

Wash., Oaksdale—City Council having surveys made for sewerage system. Work includes excavation, laying vitr. or cement pipe, catchbasins, service and branch pipes, etc. About $12,000. G. H. Green, Oakdale, engr.

Wash., Seattle—Bd. Pub. Wks. rejected bids received Sept. 19, laying sewers, laterals, etc., in 63rd Ave. S. W. About $160,000. Work will be re-advertised Feb. 1.

Ore., Portland—City plans to build 8 in. vitr. or cement sewer, manholes, lampholes, catchbasins, sewer service pipes and branches in East 33rd St. from Shaver to Simpson Sts. About $30,545. O. Laurgaard, city engr.

Ore., Portland—City plans to build sewer in Tolman Ave., cost, $2508; 40th Ave. S. E. and 58th St. S. E. from center line 40th Ave. S. E. as laid out in Myrtle addition to sewer in 40th Ave. west of 58th St. S. E., 40th Ave. from point 80 ft. east of 48th St. S. E. to 58th St., $1931; 1st St. from Block 16, Terwilliger Homestead extended west, $822; Stockton St. from point 65 ft. north of north line of Oberlin St. to Lombard St., $1251; 39th Ave. S. E., 44th St. S. E., 43rd St. S. E., $3540; East 29th St. from point 50 ft. south of south line of stanton St. to Knott St., $950; Glenwood Ave., $1489; also in 61st Ave. S. E. and Martins Ave. sewerage system from east line of Eastmoreland, 100 ft. south of Martins Ave. to west line of 48th St. S. E., north along west line of 48th St. S. E. to point 100 ft. north of 61st Ave. S. E., west parallel with 61st Ave. and its extension west, then south along east line of Eastmoreland to place of beginning, $12,065; East 13th St. trunk sewerage system from point 331 ft. south of center line of Winona St., north in East 13th St. and East 13th St. extension, $85,120. O. Laurgaard, city engr.

Ore., Portland—City Council adopted resolution to build sewers in East 67th, East 74th, East 75th and Halsey Sts. About $14,919. O. Laurgaard, city engr.

Cal., Antioch—City plans to build sewer along F St. to river. About $18,000.

Cal., Modesto—City plans election to vote on $75,000 bonds to build storm water sewers in east side district; extension to sanitary sewerage system also being considered. G. H. Freitas, city engr.

Cal., San Leandro—City plans to build storm sewers in Alvarado St. About $12,000. R. H. Goodwin, city engr.

Ont., Hamilton—City plans to extend Burlington St. sewer. Work involves 9000 ft. 18 in. vitr. pipe. About $34,000. E. R. Gray, City Hall, engr.

Bridges

PROPOSED WORK

Mass., Springfield—Hampden Co. plans to build rein.-con. bridge over Frogs Hole between here and Westfield. About $25,000.

Mass., Webster—Town having plans prepared for 247 ft. steel road bridge over railroad tracks, from Peter St., here, to Chestnut St. extension, Dudley Twp. Private plans.

Conn., Bridgeport—City having plans prepared by J. A. McElroy, city engr., for new concrete bridge over Cedar Creek. Cost to exceed $40,000.

Conn., Manchester—Town plans to build concrete bridge at Seamans Ice Pond. About $10,000.

O., Cincinnati—Hamilton Co. plans to build steel bridge over Whitewater River, on Lawrenceburg Rd. About $120,000. E. A. Gast, co. engr.

O., Wellington—Comrs. Lorain Co., Elyria, plan to build Crozier Bldg., here, 80 ft. long, concrete or steel superstructure on concrete abutments. About $60,000. C. M. Theobald, co. engr.

Wis., Darlington—City having plans prepared by Wisconsin Highway Comn., Madison, building 140 ft. concrete bridge. About $30,000.

Wis., Grand Rapids—State Highway Comn., Madison, plans to build 500 ft. Bridge, here, with 52 ft. roadway and sidewalks. About $210,000.

Wis., La Crosse—State Highway Comn., Madison, plans to build 525 ft. steel, movable span bridge, over Black River, from here to Campbell Twp., La Crosse Co., to have concrete flooring and 20 ft. roadway. About $75,000. Cost will be borne equally by State, La Crosse Co. and Campbell Twp.

Mont., Columbus—Stillwater Co. voted $12,000 bonds to build bridges. G. N. Cardoza, Columbus, engr. Noted July 3.

Wash., Colfax—City plans to build 24 ft. rein.-con. arch bridge, 40 ft. wide, over Spring Flat Creek, on South Main St. Cost to exceed $10,000. A. L. Maxwell, city aud.

Oregon—State Highway Comn., Salem, plans to build trestle on Newport-Toledo Highway over Depot Slough, Lincoln Co., involving 50,000 ft. B.M. timber and 1100 lin.ft. wooden piling, cost to exceed $10,000; 240 ft. trestle over Tryon Creek, Clackamas Co., 100,000 ft. timber and 40 cu.yd. class "B" concrete, $10,000; also crossing over Oregon-Washington R. R., Gilliam Co., involving 290 cu.yd. class "A" concrete, 36,000 lb. reinforcing steel and 345 lin.ft. concrete handrail, $10,000. H. Nunn, state highway engr.

Cal., Portersville—City plans election to vote on $30,000 bonds to bridge over Porter Slough. F. W. Pease, city engr.

Cal., Ventura—Comrs. Ventura Co. plan to build bridge over Grimes Wash on River Ave. About $15,000. C. Pettit, co. surv.

Ont., London—City having preliminary plans and estimates prepared by H. A. Brazier, city engr., for concrete bridge over Thames River, on Ridout St. 300 ft. long, 24 ft. roadway. About $50,000. (Scott.)

Streets and Roads

PROPOSED WORK

Mass., Northbridge—Town plans to extend Worcester Co. Rd. from point 400 ft. south of Driscoll Crossing to Linwood Bridge. About $30,000.

Mass., Palmer—City plans to pave North Main St. About $50,000. Engineer not selected.

Conn., Manchester—Town appropriated $10,000 to build concrete sidewalks on various streets.

Conn., Milford—Town authorized $100,000 bonds to pave various streets. Private plans.

Conn., Stratford (Bridgeport P. O.)—City appropriated $23,500 to pave various streets.

Conn., Suffield—City appropriated $25,000 for new macadam pavements on various streets. Engineer not selected.

N. Y., Buffalo—City plans to pave Maryland St. from Bailey Ave. to Greene St., 26 ft. wide, Schuehle St. from Northland to Delaware Aves., 26 ft. wide, Elk St. from Genesee to Hemlnway Sts., 20 ft. wide, Jewett Ave. from Main St. to Parkside Ave., 34-36 ft. wide, Humboldt Parkway, north drive, from Main St. to Agassiz Pl., 24 ft. wide, asphalt. G. H. Norton, city engr.

N. Y., Syracuse—Bd. Contr. and Supply rejected bids paving South West St. from Shonnard to Gifford Sts. Work will be re-advertised next spring. Noted June 26.

N. Y., Union—City voted to pave and build sewerage system in West Main St. About $35,000 and $7000 respectively.

N. Y., Watertown—City plans to pave 6400 ft. Water St., 18 ft. wide, concrete. About $46,000. E. W. Sayles, city engr.

N. J., Cliffside—City Council plans to improve Prospect Ave. About $16,000.

N. J., Jersey City—City plans to widen and pave Summit Ave. from north side Pavonia to south line Slp Aves. Cost to exceed $50,000. C. A. Van Keuren, city engr.

N J., Kearney—Bd. Freeholders Hudson Co. (Jersey City), plan to take over Passaic Ave. and widen and repave same, granite block. Cost to exceed, $50,000.

N. J., North Bergen—Town having plans prepared repairing 33rd St., granite block. About $75,000. P. Daly, town engr.

N. J., Riverside—City plans to pave 1 mi. Pavilion and Scott Aves., 18 ft. wide, sheet asphalt. About $10,000. W. Fair brother, 38 Hancock Ave., chn.

N. J., Trenton Jct.—Bd. Freeholders Mercer Co. (Trenton), plans to build 2000 sq.yd. concrete road on Grand Ave., 20 ft. wide. About $10,000. H. F. Harris, co. engr.

Pa., Harrisburg—City Council plans to grade Hudson St. from Caledonia to Sycamore Sts. and Caledonia St. from 19th to Hudson Sts. M. B. Cosden, city engr. Paid clip.

Pa., Scranton—City plans to grade, pave and curb Forest and Dupont Courts from Vine to Olive Sts., 16th Ward, sheet asphalt on concrete base, $8109, Boulevard Ave. from Electric to East Market St., 2nd Ward, sheet asphalt on concrete base, $1932; Olive St. from Webster to Taylor Aves., 10th and 17th Wards, sheet asphalt and stone block on concrete base, $6389. W. Schunk, city engr. Paid clip.

Pa., Scranton—City plans to grade, pave and curb Woodlawn St. from Boulevard to Adams Aves., 1st Ward, sheet asphalt and stone blocks on concrete base. About $44,780. W. Schunk, city engr. Paid clip.

Va., Richmond—City plans to extend Chamberlayne Ave. from Ginter Park to Leigh St. About $178,000 available for project. C. H. Balling, city engr.

W. Va., Charleston—Kanawha Co. plans to surface 2.6 mi. Elk River Rd., concrete cement, 20 ft. wide. About $127,000. F. G. Burdette, co. engr.

W. Va., Madison—Boone Co., Sherman Dist., voted $200,000 bonds to build road from Jarroras Valley to Kanawha Co. line. S. E. Bradley, Madison, engr.

W. Va., Pt. Pleasant—Mason Co., Robinson Dist., plans election soon to vote on $65,000 bonds to improve 14 mi. road.

W. Va., Winfield—Putnam Co., Scott Dist., voted $100,000 bonds paving roads; Union Dist., $75,000. J. S. Parkins, Paradise, engr.

W. Va., Winfield—Putnam Co., Scott and Union Dists. voted $100,000 bonds to improve roads. About $175,000. G. H. Davis, Charleston, engr.

North Carolina—State Highway Comn., Raleigh, will build 7.4 mi. Gibsonville-Trollingswood Rd., Graham Twp., Alamance Co., asphalt. About $200,000. Noted Sept. 18.

N. C., Benson—City plans to pave several miles streets. About $50,000. Engineer not selected.

N. C., Durham—Comrs. Durham Co. plan to hard-surface main highways, 18 ft. wide. About $300,000. F. E. Schnepfe, co. engr.

N. C., Gastonia—Comrs. Gaston Co. plan to improve about 30 mi. roads, asphalt on old macadam. About $500,000. W. S. Fallis, Raleigh, engr. Noted Sept. 4.

N. C., Greensboro—City plans to hard surface various streets. About $200,000. W. B. Bandy, Greensboro, engr.

Streets and Roads (Continued)

N. C., Greensboro—City and Guilford Co. plan to surface 6 mi. Greensboro-Ramsen Rd. About $10,000.

N. C., Raleigh—Comrs. Wake Co. plan to gravel 3.34 mi. Ferry Rd. About $12,000. C. M. Miller, Raleigh, engr.

N. C., Smithfield—Comrs. Johnston Co. plan to surface roads, Pine Level Twp. About $40,000. Engineer not selected.

S. C., Charleston—Charleston Co. plans to build 7 mi. Charleston-Savannah Highway, wide, 7 in. concrete base 18 ft. J. W. Martin, Charleston, engr.

Fla., Ft. Pierce—St. Lucie Co. defeated $700,000 bond issue to build roads. New election soon to vote on $300,000 bonds for project.

Fla., Tallahassee—City Council issued $10,000 to pave 1500 ft. College Ave., 24 ft. wide.

Fla., Umatilla—City plans to expend $35,000 to pave various streets.

La., Lafayette—City voted $425,000 bonds to pave, gravel, drain and extend water mains. Noted Aug. 21. Clip.

La., Pointe a la Hache—Plaquemines Parish voted $50,000 bonds to build roads in Dist. No. 1. Address J. Dymond, Jr., 1005 Maison Blanche Bldg., New Orleans, pres. police jury. Noted Sept. 4. OC.

O., Cincinnati—City plans to pave 600 ft. public landing from Bway. to Main St., 250 ft. wide, granite block. About $175,000. F. Krug, city engr.

O., Cleveland—City plans to open, widen and extend Wheelock and Woodworth Rds., Adelaide, Almira, Benham, Earle, Fidelity, Harvard, Lambert, Milverton and Sargent Aves., vitr. brick paving and stone curbing. About $40,000. R. Hoffman, city engr.

O., Cleveland—Comrs. Cuyahoga Co. plan to improve Walling Mill Rd., Brooklyn Twp.; Drake Rd., Strongsville Twp.; Bennett, Edgerton and Spang Rds., Royalton Twp.; Riverside Rd., Chagrin Falls Twp. Bonds for $350,000 voted for project. W. A. Stinchcomb, co. engr.

O., Dayton—City plans to grade and gravel 750 ft. Leonard St. from Grove Ave. to Lukaswitz St., 30 ft. wide, involving 2600 sq.yd. gravel surfacing, 1500 lin. ft. cement curbing with 2 in. boulder gutter and 1500 cement sidewalk. About $12,425. F. O. Eichelberger, city engr.

O., Ironton—City plans to pave 6th St. from Center to Vesuvius Sts. and Vesuvius St. from Etna to St. Lawrence Sts., 900 ft. long, 30 ft. wide, involving 3000 sq.yd. vitr. brick or concrete on concrete base and 1800 lin. ft. cement curb and gutter. About $20,000. J. R. Toins, clk.

O., Springfield—City plans to grade and gravel 1000 ft. (a) Maplewood Ave., (b) Fostoria Ave., (c) Willis Ave., 30 ft. wide, involving 3200 sq.yd. gravel surfacing and 13,000 cu.yd. earth excav., cost (a) $6290, (b) $6630, (c) $3768. W. E. Lucas, city engr.

Ind., Indianapolis—City plans to resurface Gray St. from Washington to New York Sts., 10th St. from Illinois to West Sts., Meridan St. from first alley north of Merrill to McCarthy St. and McKin St. from Washington to Williams Sts. F. C. Linginfelter, 3025 Park Ave., engr.

Ind., Indianapolis—City plans to resurface Senate Ave. between 10th and 16th Sts. and Boulevard Pl. between 16th and 20th Sts., asphalt. H. N. Klausmann, city engr.

Mich., Grand Haven—Comrs. Ottawa Co. plan to grade and pave 12 mi. Zeeland-Jennison Rd., 16 ft. wide, involving 113,000 sq.yd. concrete.

Wis., Jefferson—Jefferson Co. plans to build 4.6 mi. concrete road, 18 ft. wide, commencing at city part of Watertown and continuing south on Janesville Rd., cost $25,000 per mi.; 3 mi. concrete road, 18 ft. wide, from west limits of here, west on Lake Mills, Rd., $25,000 per mi.; 5 mi. concrete road commencing at western limits of Watertown and running west toward Hubbleton, 18 ft. wide, $25,000 per mi.; 2 mi. concrete road, 18 ft. wide, from Watertown east toward Ixonia, $25,000 per mi.

Wis., La Crosse—Bd. Supervs. La Crosse Co., passed resolution appropriating $10,000 to improve McGilvray Rd. from here to Trempealeau.

Wis., Racine—Bd. Supervs. Racine Co. having surveys made improving road from here to Rochester and Burlington Rd. from Rochester to Burlington, concrete, total length 25 mi. Estimated cost $26,000 per mi.

Wis., Sheboygan—City plans to grade and pave 1.9 mi. North 6th St. from Pennsylvania to Michigan Aves., 20 ft. wide, involving 20,000 sq.yd. concrete and combined concrete curb and gutter. Cost between $25,000 and $30,000. C. U. Boley, city engr.

Wis., Sheboygan—Sheboygan Co. plans to grade and pave with 1 course rein.-con. and build culverts, bridges, etc., on 20 mi. Sauk Trail Rd., from Cedar Grove to here, 18 ft. wide. About $40,000. Engineer not selected.

Wis., West Allis (Milwaukee P. O.)—City having plans prepared paving 1000 ft. Natl. Ave. from 75th to 77th Aves., 1800 lin.ft. 55th Ave. from Natl. to Burnham Aves., both 40 ft. wide, asphalt on concrete base. Cost $18,000 and $25,000 respectively. A. Schneider, city engr.

Minn., Albert Lea—Freeborn Co. plans to grade and gravel 25 mi. road, 24 ft. wide. About $125,000. E. V. H. Brown, Albert Lea, engr.

Minn., Alexandria—Douglas Co. plans to grade and gravel 15 mi. road, 24 ft. wide. About $75,000. A. Webster, Alexandria, engr.

Minn., Anoka—Comrs. Anoka Co. plan to pave 25 mi. road, 18 ft. wide, concrete and asphaltic concrete. About $750,00. H. H. Thurston, Anoka, engr.

Minn., Austin—Mower Co. plans to grade and gravel 15 mi. road, 24 ft. wide. About $75,000. A. C. White, Austin, engr.

Minn., Bagley—Clearwater Co. plans to grade and gravel 10 mi. road, 24 ft. wide. About $50,000. B. F. Umland, Bagley, engr.

Minn., Bemidji—Comrs. Beltrami Co. plan to grade and gravel 42 mi. road, 24 ft. wide. About $210,000. S. D. Snyder, Bemidji, engr.

Minn., Biwabik—City voted $100,000 bonds to hard surface roads. J. F. Godalthorpe, clk.

Minn., Blue Earth—Faribault Co. plans to grade and gravel 30 mi. road, 24 ft. wide. About $150,000. R. J. Short, Blue Earth, engr.

Minn., Brainerd—Crow Wing Co. plans to pave 5 mi. road, 18 ft. wide, bitulithic or asphalt. About $150,000. C. L. Motl, Brainerd, engr.

Minn., Buffalo—Wright Co. plans to grade and gravel 25 mi. road, 24 ft. wide. About $125,000. F. W. Van Krevelen, Buffalo, engr.

Minn., Caledonia—Houston Co. plans to grade and gravel 20 mi. road, 24 ft. wide, and pave 5 mi., 18 ft. wide, asphalt. About $250,000. C. C. Conzett, Caledonia, engr.

Minn., Cambridge—Isanti Co. plans to grade and gravel 12 mi. road, 24 ft. wide. About $70,600. P. M. Torell, Cambridge, engr.

Minn., Carlton—Comrs. Carlton Co. plants to grade and gravel 25 mi. road, 24 ft. wide. About $125,000. P. D. Mold, Carlton, engr.

Minn., Center City—Comrs. Chicago Co. plan to grade and gravel 5 mi. road, 24 ft. wide, cost $25,000; pave 10 mi. road, 18 ft. wide, bitulithic and asphalt. $300,000. H. L. Colwell, Sunrise, engr.

Minn., Chaska—Carver Co. plans to grade and gravel 15 mi. road, 24 ft. wide. About $75,000. W. H. Tischer, Waconia, engr.

Minn., Crookston—Polk Co. plans to grade and gravel 25 mi. road, 24 ft. wide, and pave 2 mi., 18 ft. wide. About $185,000. E. H. Harding, Crookston, engr.

Minn., Detroit—Comrs. Becker Co. plan to grade and gravel 14 mi. road, 24 ft. wide. About $70,000. H. W. Teague, Detroit, engr.

Minn., Duluth—Comrs. St. Louis Co. plant to pave ½ mi. Federal Aid Project No. 84, 18 ft. wide, rein.-con. About $30,000. R. W. Acton, Co. engr.

Minn., Duluth—St. Louis Co. plans to grade and gravel 270 mi. road, 24 ft. wide. About $1,350,000. R. W. Acton, Duluth, engr.

Minn., Elbow Lake—Grant Co. plans to grade and gravel 25 mi. road, 24 ft. wide. About $125,000. W. H. Burgess, Elbow Lake, engr.

Minn., Fairmont—Martin Co. plans to grade and gravel 20 mi. road, 24 ft. wide. About $100,000. G. A. Taber, Fairmont, engr.

Minn., Fergus Falls—Ottertail Co. plans to grade and gravel 20 mi. road, 24 ft. wide. About $100,000. A. L. Flygare, Fergus Falls, engr.

Minn., Foley—Comrs. Bento Co. plan to pave 16 mi. road, concrete and asphaltic concrete, 18 ft. wide, cost $480,000; grade and gravel 25 mi. road, 24 ft. wide, $125,000. J. L. Tierney, Foley, engr.

Minn., Glencoe—McLeod Co. plans to grade and gravel 15 mi. road, 24 ft. wide. About $75,000. I. C. Christlieb, Hutchinson, engr.

Minn., Glenwood—Pope Co. plans to grade and gravel 20 mi. road, 24 ft. wide. About $100,000. L. Martin, Glenwood, engr.

Minn., Grand Marais—Cook Co. plans to grade and gravel 5 mi. road, 24 ft. wide. About $25,000. H. A. La Seuer, Grand Marais, engr.

Minn., Grand Rapids—Itasca Co. plans to pave 70 mi. road, 18 ft. wide, asphalt. About $2,100,000. D. J. Kidberg, Grand Rapids, engr.

Minn., Granite Falls—Yellow Medicine Co. plans to grade and gravel 30 mi. road, 24 ft. wide. About $150,000. N. S. Thayer, Granite Falls, engr.

Minn., Hallock—Kittson Co. plans to grade and gravel 10 mi. road, 25 ft. wide. About $50,000. J. E. Dishington, Hallock, engr.

Minn., Hastings—Dakota Co. plans to grade and gravel 20 mi. road, 24 ft. wide. About $100,000. C. L. Methven, Hastings, engr.

Minn., Henderson—Sibley Co. plans to grade and gravel 5 mi. road, 24 ft. wide. About $25,000. S. P. Mullen, Gaylord, engr.

Minn., Ivanhoe—Lincoln Co. plans to grade and gravel 30 mi. road, 24 ft. wide. About $150,000. E. Haugan, Ivanhoe, engr.

Minn., Jackson—Jackson Co. plans to grade and gravel 25 mi. road, 24 ft. wide. About $125,000. W. M. Richmond, Jackson, engr.

Minn., Le Sueur Center—Le Sueur Co. plans to pave 7½ mi. road, 18 ft. wide, asphalt and concrete. About $225,000. R. F. Nichols, Le Sueur Center, engr.

Minn., Le Suer Center—Comrs. Le Sueur Co. rejected bids received Oct. 7, grading and graveling 7.49 mi. Federal Aid Project No. 89, State Rd. No. 5, 24 ft. wide. About $100,000. Work will be readvertised in spring. R. F. Nichols, Le Sueur Center, engr. Noted Sept. 25.

Minn., Litchfield—Meeker Co. plans to grade and gravel 15 mi. road, 24 ft. wide. About $75,000. R. P. McNamara, Litchfield, engr.

Minn., Little Falls—Morrison Co. plans to pave 12 mi. road, 18 ft. wide. Bids will be received on all types of pavement. About $360,000. A. J. Fenn, Little Falls, engr.

Minn., Long Prairie—Todd Co. plans to grade and gravel 35 mi. road, 24 ft. wide. About $175,000. A. M. Graves, Long Prairie, engr.

Minn., Luverne—Rock Co. plans to pave 7 mi. road, 18 ft. wide. Bids will be received on all types of pavement. About $210,000. D. E. Davison, Luverne, engr.

Minn., Mahnomen—Mahnomen Co. plans to grade and gravel 20 mi. road, 24 ft. wide. About $100,000. H. R. Chapin, Mahnomen, engr.

Minn., Mankato—Comrs. Blue Earth Co. plan to pave 7 mi. road, 18 ft. wide, concrete and asphaltic concrete. About $210,000. N. Moe, Mankato, engr.

Minn., Mantorville—Dodge Co. plans to grade and gravel 20 mi. road, 24 ft. wide. About $100,000. R. D. Jorgens, Hayfield, engr.

Minn., Marshall—Lyon Co. plans to grade and gravel 20 mi road, 24 ft. wide. About $100,000. D. W. Webster, Marshall, engr.

Minn., Minneapolis — Hennepin Co. plans to pave 5 mi. road, 18 ft. wide, asphalt. About $150,000. E. E. Terrell, co. engr.

Minn., Montevideo — Chippewa Co. plans to grade and gravel 30 mi. road, 24 ft. wide. About $150,000. E. C. Nelson, Montevideo, engr.

Minn., Moorhead—Clay Co. plans to grade and gravel 15 mi. road, 24 ft. wide. About $75,000. E. Martinson, Moorhead, engr.

Minn., Mora—Kanabec Co. plans to grade and gravel 15 mi. road, 24 ft. wide. About $75,000. R. G. Streetly, Mora, engr.

Streets and Roads (Continued)

Minn., Morris—Stevens Co. plans to grade and gravel 25 mi. road, 24 ft. wide. About $125,000. W. A. Hunt, Morris, engr.

Minn., New Ulm—Comrs. Brown Co. plan to build 12 mi. road, 18 ft. wide. About $360,000. C. N. Robertson, New Ulm, engr.

Minn., Olivia—Renville Co. plans to pave 10 mi. road, 18 ft. wide. Bids will be received on all types of pavement. About $300,000. F. M. Shepherd, Olivia, engr.

Minn., Ortonville—Comrs. Big Stone Co. plan to grade and gravel 20 mi. road, 24 ft. wide. About $100,000. L. P. Zimmerman, Ortonville, engr.

Minn., Owatonna—Steele Co. plans to pave 7 mi. road, 18 ft. wide. Bids will be received on all types of pavement. About $210,000. C. H. Harholdt, Owatonna, engr.

Minn., Park Rapids—Hubbard Co. plans to grade and gravel 10 mi. road, 24 ft. wide. About $50,000. C. E. Spencer, Park Rapids, engr.

Minn., Preston—Fillmore Co. plans to pave 4 mi. road, 18 ft. wide, asphalt. About $120,000. W. Dunbar, Preston, engr.

Mont., Princeton—Millelacs Co. plans to grade and gravel 17 mi. road, 24 ft. wide. About $85,000. A. W. Leonard, Milaca, engr.

Minn., Redwood Falls—City having survey made and plans prepared by L. P. Wolff, engr., 1001 Guardian Life Bldg., St. Paul, for 24 blocks paving, concrete and asphaltic concrete, 18 ft. wide. About $100,000.

Minn., Redwood Falls—Redwood Co. wide. About $125,000. J. A. Myron, Redwood Falls, engr.

Minn., Rochester—Olmsted Co. plans to pave 14 mi. road, 18 ft. wide. Bids will be received on all types of pavement. About $420,000. G. H. Smith, Rochester, engr.

Minn., St. Cloud—Stearns Co. plans to grade and gravel 10 mi. road, 24 ft. wide. About $50,000. M. J. Cleveland, St. Cloud, engr.

Minn., St. James—Watonwan Co. plans to grade and gravel 10 mi. road, 24 ft. wide, and pave 12 mi., 18 ft. wide. About $410,000. T. J. Buhl, St. James, engr.

Minn., St. Paul—Ramsey Co. plans to pave 10 mi. road, 18 ft. wide. Bids will be received on all types of pavement. About $300,000. J. H. Armstrong, St. Paul, engr.

Minn., Shakopee—Scott Co. plans to pave 25 mi. road, 18 ft. wide. Bids will be received on all types of pavement. About $750,000. D. Childs, Shakopee, engr.

Minn., Slayton—Murray Co. plans to grade and gravel 20 mi. road, 18 ft. wide, and pave 5 mi., 24 ft. wide. Bids will be received on all types of pavement. About $220,000. P. L. Minder, Slayton, engr.

Minn., Stillwater — Washington Co. plans to grade and gravel 10 mi. road, 24 ft. wide. About $50,000. G. F. Carstow, Stillwater, engr.

Minn., Thief River Falls—Pennington Co. plans to grade and gravel 6 mi. road, 24 ft. wide. About $30,000. E. G. Martz, St. Hilaire, engr.

Minn., Two Harbors—Lake Co. plans to grade and gravel 10 mi. road, 24 ft. wide. About $50,000. H. C. Hanson, Two Harbors, engr.

Minn., Wabasha—Wabasha Co. plans to grade and gravel 15 mi. road, 24 ft. wide. About $75,000. C. M. Matthies, Wabasha, engr.

Minn., Wadena—Wadena Co. plans to grade and gravel 10 mi. road, 24 ft. wide. About $50,000. E. Ward, Wadena, engr.

Minn., Walker—Cass Co. plans to grade and gravel 60 mi. road, 24 ft. wide. About $300,000. A. W. Moulster, Pine River, engr.

Minn., Warren—Marshall Co. plans to grade and gravel 30 mi. road, 24 ft. wide. About $150,000. J. A. Lindsay, Warren, engr.

Minn., Waseca—Waseca Co. plans to grade and gravel 20 mi. road. About $100,000. J. W. Hruska, Waseca, engr.

Minn., Willmar—Kandiyohi Co. plans to pave 10 mi. road, 18 ft. wide, asphalt. About $300,000. H. L. Wadell, Willmar, engr.

Minn., Windom—Cottonwood Co. plans to grade and gravel 25 mi. road, 24 ft. wide. About $125,000. D. R. Savage, Windom, engr.

Minn., Winona—Winona Co. plans to grade and gravel 10 mi. road, 24 ft. wide, and pave 5 mi., 18 ft. wide. About $200,000. H. B. Childs, Winona, engr.

Minn., Worthington—Nobles Co. plans to grade and gravel 25 mi. road, 24 ft. wide. About $125,000. R. J. Boomer, Worthington, engr.

Kan., Cottonwood Falls—Comrs. Chase Co. having plans prepared by Shawnee Eng. Co. engrs., Topeka, building 36 mi. concrete roads.

Kan., Hutchinson—Reno Co. having plans prepared by Southwestern Eng. Co., engrs., Hutchinson, paving 22 mi. Wichita-Hutchinson Rd., 18 ft. wide, monolithic brick.

Kan., Junction City—City having plans prepared by J. N. Bridgman, city engr., paving 20 blocks 7th, 11th, 12th, 13th and 14th Sts., 2-course concrete.

Kan., Manhattan—City having plans prepared by A. J. Rhodes, engr., Manhattan, paving 18 blocks principal side streets, 26 ft. wide, asphaltic concrete. About $200,000.

Kan., Newton—Harvey Co. plans to hard surface, curb and gutter 8 mi. road through Halstead, 18 ft. wide. About $250,000. Engineer not selected.

Kan., Oskaloosa—Comrs. Jefferson Co. having plans prepared by Kansas Eng. Co., engrs., Topeka, paving 28 mi. roads, 18 ft. wide, bituminous macadam.

Kan., Salina—Comrs. Saline Co. having plans prepared by Southwestern Eng. Co., engrs., Hutchinson, building 14 mi. Bee Line Rd., 18 ft. wide, brick, macadam or concrete.

South Dakota—State Highway Comm., Pierre, plans to grade, drain and gravel 17.54 mi. Tyndall-Lake Andes Rd., 24 ft. wide. Cost, $103,627. Work involves 60,000 cu.yd. earth excava., 26,310 cu.yd. gravel, 1400 lin.ft. corrugated culverts, 375 cu.yd. concrete for culverts and 30,000 lb. reinforcing steel.

South Dakota—State Highway Comm., Pierre, plans to grade, gravel and drain 11.4 mi. De-Smet-Brookings Highway, Brookings Co., involving 45,600 cu-yd. earth excav., 17,100 cu.yd. gravel, 1450 lin.ft. corrugated culverts, 438 cu.yd. concrete for culverts, 21,500 lb. reinforcing steel, etc., cost $85,965; 13.41 mi. De-Smet-Brookings Highway, Kingsbury Co., 56,300 cu.yd. earth excav., 56,322 cu.yd. gravel, 1700 lin.ft. corrugated culverts, 513 cu.yd. concrete for culverts, 27,500 lb. reinforcing steel, etc., $116,579.

Wyo., Casper—Wyoming School Bd. gave Midwest Refining Co., Denver, Colo., contract for 3 years for state royalty oil, on condition that company contribute $100,000 a year for 3 years toward construction of Casper-Salt Creek Highway. The company has made entire amount available at once and Federal Government has appropriated like amount; 25 mi. will be contracted for early in 1920.

Montana—State Highway Dept., Helena, plans to grade 22 mi. Fattig Creek Rd., cost $24,000, 19 mi. Ryegate-Hedges Rd., $16,000, 33 mi. Lavina-Tuffley-Cabin Gulch Rd., $20,000, 35 mi. Franklin-Cabin Gulch Rd., $50,000, 20 mi. Klein-Billings Rd., $40,000, 13 mi. Ryegate-O'Brien Bench Rd., $12,00, 19 mi. Gage-Flatwillow Bench Rd., $20,000, 16 mi. Long Tree Rd., $16,000, 20 mi. Johnson Rd., $10,000, 9 mi. Ryegate-Barber-Harlowton Rd., $15,000, 15 mi. Melstone-Custer Rd., $15,000, 15 mi. Carpenter Creek Rd., $15,000, 8 mi. Musselshell-Flatwillow Rd., $10,000, 9 mi. Musselshell-Custer Rd., $10,000, 20 mi. Custef Gulch-Belmont Rd., $25,000, gravel surface 37 mi. Glendive-Lindsay-Brockway Rd., $74,000, 7 mi. Carroll Rd., $30,000, 8 mi. Ryegate-Big Coulee Rd., $30,000, all in Musselshell Co.; gravel surface 50 mi. Richey-Bloomfield Rd., Dawson Co., $100,000; grade 20 mi. Redwater-Paxton Rd., $20,000, 15 mi. Redwater-Brockway Rd., $20,000, both in McCone Co.; gravel surface 50 mi. Great Falls-Cascade Rd., $200,000, 18 mi. Great Falls-Ft. Benton Rd., $72,000, and 30 mi. Raynesford-Geyser Rd., $120,000, all in Cascade Co. Federal Government asked to appropriate toward cost. J. N. Edy, state highway engr.

Montana—State Highway Dept., Helena, plans to grade 19 mi. Culberson-Froid Rd., cost $26,000, 95 mi. Moody Highway, $285,000, gravel surface 15 mi. Wolf Point Rd., $26,000, 5 mi. Brockton North Rd., $10,000, all in Roosevelt Co. Federal Government asked to appropriate toward cost. J. N. Edy, state highway engr.

Montana—State Highway Dept., Helena, plans to gravel surface 45 mi. Glacier Park Trail, Toole Co., cost $90,000; 45 mi. Great Falls, Sweetgrass-Lethbridge Rd., Toole Co., $90,000; 40 mi. Yellowstone Trail, Stillwater Co., $200,000; 33 mi. Yellowstone Glacier Bee Line Rd., Teton Co., $132,000. Federal Government has been asked to appropriate toward cost.

Montana—State Highway Dept., Helena, plans to gravel surface 24 mi. Bonner-Milford Rd., Missoula Co., cost $75,000; hard surface 5 mi. Missoula-Bonner Rd., Missoula Co., $120,000; gravel surface 40 mi. Brady-Shelby Rd., 16 ft. wide, Pondera Co., $240,000; grade 24 mi. Roundup-Billings Rd., Musselshell Co., $20,000; gravel surface 30 mi. Lolo-Lolo Hot Springs Rd., Missoula Co., $120,000; grade 11 mi. Roundup-Melstone Rd., Musselshell Co., $20,000; grade 1½ mi. Big Coulee Hill Rd., Musselshell Co., $14,000. Federal Government has been asked to appropriate toward cost. J. N. Edy, state highway engr.

Mont., Anaconda—Deer Lodge Co. voted $150,000 bonds to build roads. Federal aid applied for. E. Cralle, Anaconda, engr. Noted July 3.

Mont., Big Timber—Sweetgrass Co. voted $125,000 bonds to build roads. D. J. Walvoord, Big Timber, engr. Noted July 10.

Mont., Boulder—Jefferson Co. voted $100,000 bonds to build roads. C. D. Flaherty, Boulder, engr. Noted June 26.

Mont., Chinook—Blaine Co. voted $100,000 bonds to build roads. C. R. Hanke, Chinook, engr. Noted July 10.

Mont., Choteau—Teton Co. voted $150,000 bonds to build roads. F. Daly, Choteau, engr. Noted July 10.

Mont., Columbus—Stillwater Co. voted $163,000 bonds to build roads. G. N. Cardoza, Columbus, engr. Noted July 10.

Mont., Conrad—Pondera Co. voted $200,000 bonds to build roads. J. N. Edy, c/o State Highway Dept., Helena, engr. Noted Aug. 28.

Mont., Dillon—City plans to pave 15 blocks, involving 25,000 sq.yd. pavement. About $85,000. G. V. Elder, Dillon, engr.

Mont., Forsyth—Rosebud Co. voted $100,000 bonds to build roads. J. N. Edy, c/o State Highway Dept., Helena, engr. Noted July 10.

Mont., Glendive—Dawson Co. voted $200,000 bonds to build roads. B. W. Adams, Glendive, engr. Noted July 31.

Mont., Hardin—Big Horn Co. voted $75,000 bonds to build roads. J. E. Graham, Hardin, engr. Noted June 26.

Mont., Harlowton — Wheatland Co. voted $200,000 bonds to build roads. C. C. Jewell, Harlowton, engr. Noted July 10.

Mont., Havre—Hill Co. voted $150,000 bonds to build roads. J. E. Peterson, Havre, engr. Noted July 10.

Mont., Helena—Lewis and Clark Co. voted $200,000 bonds to build roads. J. N. Edy, c/o State Highway Dept., Helena, engr. Noted July 24.

Mont., Lewistown—Fergus Co. voted $700,000 bonds to build roads. H. C. Tilzey, Lewistown, engr. Noted July 3.

Mont., Mondak — Roosevelt Co. voted $200,000 bonds to build roads. J. N. Edy, c/o State Highway Dept., Helena, engr. Noted Aug. 28.

Mont., Philipsburg—Granite Co. voted $150,000 bonds to build roads. E. B. Patten, Philipsburg, engr. Noted July 10.

Mont., Red Lodge—Carbon Co. voted $100,000 bonds to build roads. A. B. Cooley, Red Lodge, engr. Noted July 10.

Mont., Shelby—Toole Co. voted $200,000 bonds to build roads. H. B. Rawson, Shelby, engr. Noted July 10.

Mont., Thompson Falls—Sanders Co. voted $75,000 bonds to build roads. T. Johnston, Thompson Falls, engr. Noted July 10.

Mont., Townsend — Broadwater Co. voted $100,000 bonds to build roads. L. K. Pool, Townsend, engr. Noted July 3.

Mont., Wibaux—Wibaux Co. voted $75,000 bonds to build roads. J. N. Edy, c/o State Highway Dept., Helena, engr.

Mo., Albany—Gentry Co. plans to build 10.46 mi. gravel road, 16 ft. wide. About $210,946. J. B. Ray, Albany, engr.

Mo., Albany—Gentry Co. plans to build 30 mi. road, east and west from Albany, 18 ft. wide. Leslie-Barnes Eng. Co., Amer. Natl. Bank Bldg., St. Joseph, engrs.

Mo., Albany—Gentry Co. plans to build 8.6 mi. bituminous road through King City, 18 ft. wide. About $181,537.

Mo., Bethany—Harrison Co. plans to build 6.6 mi. road through New Hampton, 18 ft. wide. About $65,619.

Mo., Bolivar—Polk Co. plans to build 13.8 mi. gravel road, 18 ft. wide, near here. About $59,275. Engineer to be announced soon.

Streets and Roads (Continued)

Mo., Carthage—City plans to pave various streets, concrete, asphalt or vitr. brick. Bonds for $150,000 voted for project.

Mo., Carthage—Jasper Co. plans to build 4 mi. Joplin-Springfield Rd., 18 ft. wide, concrete. About $88,000.

Mo., Danville—Montgomery Co. plans to build 8.2 mi. road from New Florence to Danville, 18 ft. wide, macadam. About $62,042. Engineer not selected.

Mo., Gentry—Gentry Co. plans to build 8.17 mi. Kansas City-Albany Rd. near Stanberry, and 4.12 mi. Stanberry-Albany Rd., 18 ft. wide, gravel. Cost $137,000 and $85,000, respectively.

Mo., Hermitage—Hickory Co. plans to build 4.5 mi. gravel road, west of Preston, cost $15,548; 7.5 mi. gravel road from Dallas Co. line to Cross Timbers, $26,839.

Mo., Huntsville—Randolph Co. plans to build 8.5 mi. road west of Huntsville, 18 ft. wide. About $49,550.

Mo., Linneus—Linn Co. voted $1,000,000 bonds to build hard surfaced roads. Engineer not selected.

Mo., Monticello—Lewis Co. plans to build 8.3 mi. road through Canton, 18 ft. wide, cost $88,977; 7.7 mi. road north of LaGrande, $67,759. Engineer not selected.

Mo., Mt. Vernon—Lawrence Co. plans to build 10.5 mi. gravel road through Mt. Vernon, 18 ft. wide. About $39,576. Engineer not selected.

Mo., Osage—Linn Co. voted $500,000 bonds to build hard surface roads.

Mo., Palmyra—Marion Co. plans to build 10.5 mi. Hannibal-West Ely Rd., 18 ft. wide, gravel. About $64,543.

Mo., Platte City—City plans to pave 4th St. from Main St. to city limits, bituminous macadam. About $35,000. E. Ross, clk.

Mo., Richmond—Ray Co. plans election soon to vote on $1,300,000 bonds to build hard surface roads.

Mo., Rolla—Phelps Co. voted $400,000 bonds to build hard surface roads.

Mo., Stockton—Cedar Co. plans to build 9.7 mi. gravel road from El Dorado Springs to Stockton Rd., 18 ft. wide. About $43,678.

Mo., Versailles—Morgan Co. plans to build 13.8 mi. gravel road from Versailles to Moniteau Co. line, 18 ft. wide. About $46,124. Engineer to be announced soon.

Mo., Westplains—Howell Co. plans to build 40 mi. road from Texas to Oregon Co. lines, 18 ft. wide. About $186,600.

Tex., Brownsville—Cameron Co. had plans prepared gravel surfacing and building rein.-con. drainage structures on 5.36 mi. Highway No. 12, from here to Hidalgo Co. line, 15 ft. wide. About $20,000. D. L. Conrad, Brownsville, engr.

Tex., Cameron—Milam Co. had surveys made for gravel surfacing and building rein.-con. drainage structures on 9.07 mi. Branchville-Port Sullivan Rd. from Maysfield Pike to Brazos River, 16 ft. wide, involving 7 acres clearing and grubbing, 19,000 cu-yd. earth excav., 700 cu.yd. concrete and 45,000 lb. reinforcing steel. About $40,000. A. F. Mitchell, Cameron, engr.

Tex., Corpus Christi—Comrs. Nueces Co. plan to build causeway over Neuces Bay. About $1,000,000.

Tex., Cuero—De Witt Co. had plans prepared building road and rein.-con. drainage structures on 12.1 mi. Middle-Buster Highway No. 9 from here to Victoria line, 15 ft. wide, involving 2200 cu.yd. gravel per mi., 8.5 mi. machine road work and 3 acres clearing and grubbing. About $72,200. Engineer not announced.

Tex., Dallas—City having plans prepared paving San Jacinto St. from Washington to Haskell Sts., 30 ft. wide, involving 3002 sq.-yd. asphalt on 5 in. concrete base, 1236 lin.ft. combined concrete curb and gutter, 44 lin.ft. sidewalk and 883 cu-yd. earth excav. About $11,818. G. D. Fairtrace, city engr.

Tex., Gilmer—Upshur Co. having plans prepared gravel surfacing 5 mi. Jefferson Highway from Camp Co. line to Harrison Co. line, 16 ft. wide. About $20,020. Wilder & O'Neal, Mt. Pleasant, co. engrs.

Tex., Gonzales—Gonzales Co. plans to grade, gravel, surface and build concrete drainage structures on 8.9 mi. State Highway No. 29, Homon Sect., involving 35 acres clearing and grubbing and 41,720 lin.ft. machine work. About $78,770. Wilder & O'Neal, Chronicle Bldg., Houston, engrs.

Tex., Hillsboro—Hill Co. plans to surface and drain 23.5 mi. Kings Trail Highway from McLennan Co. to Ellis Co. line, 16 ft. wide, gravel with bituminous topping, involving 6 acres clearing and grubbing. About $536,000. Bryant & Huffman, Littlefield Bldg., Austin, engrs.

Tex., La Grange—Fayette Co. having plans prepared gravel surfacing and building rein.-con. drainage structures on 11.27 mi Highway No. 3, 16 ft. wide, involving 10 acres clearing and grubbing. About $144,827. A. Schlafli, LaGrange, engr.

Tex., New Braunfels—Comal Co. voted $175,000 bonds to build Highway No. 2 and laterals. A. C. Rothe, New Braunfels, engr.

Tex., Pearsall—City plans to pave various streets. About $25,000.

Tex., Pearsall—Frio Co. plans to gravel and macadamize various streets. About $25,000. Walton & Arneson, Gunter Bldg., San Antonio, engrs.

Tex., Sherman—Grayson Co. plans to drain and surface 6.9 mi. State Highway No. 11, known as Whitewright-Sherman Rd., 16 ft. wide, involving 10 acres clearing and grubbing, 6.9 mi. machine grading and 24,000 gal. bituminous surface. About $77,460. J. C. Field, Denison, engr.

Tex., Snyder—Scurry Co. had plans prepared gravel surfacing and draining 22.05 mi. Highway No. 7, known as Snyder-Fock Rd., 16 ft. wide, involving 13.5 acres clearing and grubbing. About $107,082. H. Exall Elrod Co., Interurban Bldg., Dallas, engrs.

Tex., Snyder—Scurry Co. having surveys made gravel surfacing and building rein.-con. drainage structures on 22 mi. State Highway No. 7 from here to Nolan Co. line, 16 ft. wide, involving 15.5 mi. machine grading. About $92,300. R. E. Schiller, c/o H. E. Elrod Co., Interurban Bldg., Dallas, engr.

Tex., Tyler—Smith Co. had plans prepared building 8.72 mi. Highway No. 15, known as Porters Bluff Rd., 4.78 mi. to be surfaced with gravel and 3.94 mi. to be surfaced with concrete. Work involves 3.45 acres clearing and grubbing. About $174,514. D. K. Caldwell, Tyler, engr.

Tex., Waco—McLennan Co. plans to build 63 mi. Highway No. 31, known as Waco-Axtell Rd., 15 ft. wide, involving 100 cu.yd. concrete, 5547 sq.yd. one course rein.-con. pavement and 2641 lb reinforced steel. About $25,238. M. Hannah, Waco, engr.

Oklahoma—State Highway Dept., Oklahoma, plans to build hard surfaced road east of Enid, 7 mi. into oilfield district. Cost $25,000 to $30,000 per mi. Garfield Co. and Federal Government have $200,000 available for project. H. C. Smith, asst. state highway engr.

Okla., Broken Arrow—City having plans prepared paving 5 blocks main streets in Dist. No. 2, 25 ft. wide, 1 course concrete. About $40,000. Hughes Eng. Co., 304 Bank of Commerce Bldg., Tulsa, engrs.

Okla., Commerce—City having plans prepared paving various streets, 1 course concrete. About $95,000. Hughes Eng Co., 304 Bank of Commerce Bldg., Tulsa, engrs.

Okla., Hartshorne—City plans to pave 3 blocks Main St., involving 20,000 sq.yd. concrete and 200 lin.ft. concrete curbing and guttering. About $45,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma, engrs.

Okla., Muskogee—City having plans prepared paving State St. from Court to Dennison Sts., Dist. No. 15, asphalt. About $50,000. H. H. White, city engr.

Okla., Pawhuska—City plans to pave 200 blocks various streets. About $250,000.

Colo., La Junta—City plans to pave Dist. No. 1, which comprises the business section, and Dist. No. 2, which comprises the residential section. About $75,000 and $50,000 respectively. F. T. Lewis, city engr.

New Mexico — State Highway Comm., Sante Fe, plans to build 6½ mi. Federal Aid Project No. 40, between Ruidodo and Tudarosa, Otero Co., cost $45,000; 18 mi. Federal Aid Project No. 41, between Orogrande and west county line, Otero Co., cost $80,000; 17 mi. Federal Aid Project No. 35, between Farmington and Aztec, San Juan Co., $51,626. L. A. Gillett, state highway engr.

New Mexico — State Highway Comm., Santa Fe, plans to build 15 mi. Federal Aid Project No. 24, Roosevelt Co., cost $123,000; 15 mi. Federal Aid Project No. 25, Curry Co., $122,353.

N. M., Albuquerque—City plans to pave 4 blocks East Central Ave from High to Mulberry Sts, 60 ft. wide, concrete or bithulithic. About $10,000. A. Hebenstreit, city engr.

N. M., Roswell—Chaves Co. voted $200,000 bonds to build and improve highways.

N. M., Roswell — City plans to pave streets from Railroad to Washington Aves., east and west from Railroad to Michigan Aves., north and south from Tilden to 8th Sts. and Main St. from Hondo River Bridge to Spring River Bridge. About $10,000. A. G. Jaffa, engr. Clip.

Idaho, Boise—Ada Co. voted $100,000 bonds to build roads, including scenic highway from Boise to Arrowrock Dam. Noted July 31.

Idaho, Lewiston—Nez Perce Co. voted $400,000 bonds to build and improve roads and bridges. State and Federal Government will appropriate $800,000 toward project. Noted Sept. 4.

Idaho, Weiser—Washington Co. voted $300,000 bonds to improve roads. Total cost $600,000. Federal Government will appropriate $300,000 toward cost.

Utah, Pleasant Grove—Town Council passed ordinance to pave various streets in Dist. No. 1. About $18,000.

Ariz., Florence—Pinal Co. voted $1,000,000 bonds to grade and pave highways and build bridges and culverts, etc. Noted Aug. 7.

Ariz., Holbrook — Navajo Co. voted $300,000 bonds to improve highways.

Ariz., Tucson—Pime Co. voted $1,500,000 bonds to improve 350 mi. highways, including concrete or bituminous paving and other paving not yet decided on, bridges, culverts, grading, etc. G. S. Foster, Tucson, engr. Noted Aug. 21.

Ariz., Yuma—Yuma Co. election soon to vote on $1,200,000 bonds to build roads, $150,000 additional available from federal aid funds.

Wash., Bremerton—City plans to pave side streets with concrete or bitulithic, build curbs, extend water mains and lay drainage and sewer pipes. About $100,000. F. Hathaway, Bremerton, engr.

Wash., Port Orchard—Comrs. Kitsap Co. plan to issue $116,000 bonds for general road improvement, including grading, draining and surfacing.

Wash., Spokane—City Council having preliminary plans prepared paving fill between 2 bridges on Trent Ave., concrete. About $10,000. A. W. Burch, aud.

Wash., Wenatchee—Chelan Co. plans to grub, grade, clear and gravel 10 mi. road along Lake Chelan from First Creek to Twenty-Five Mile Creek Rd., 18 ft. wide. About $40,000. U. S. Forest Serv. will appropriate half the cost.

Oregon—State Highway Comn., Salem, plans to improve 4 mi. Salem-South Sect. Pacific Highway, Marion Co., 16 ft. wide. Work includes grading, draining and patching with gravel macadam. About $25,000. H. Nunn, state highway engr.

Oregon—State Highway Comn., Salem, having plans and estimates made building 51 mi. Myrtle Point-Roseburg Rd., Coos Co., to include grading, surfacing with gravel macadam and crushed rock, also building culverts. About $1,051,000. H. Nunn, state highway engr.

Oregon—State Highway Comn., Salem, having preliminary plans prepared for grading and graveling 7 mi. Mayville-Thirty Mile Bridge Rd., 16 ft. wide, Gilliam Co., cost $150,000, Gilliam Co. to appropriate $75,000 toward cost; concrete or gravel macadam road through Klamath Co., 12-16 ft. wide, $1,520,000, Klamath Co. will appropriate $380,000 and Federal Government will be asked to appropriate like amount. H. Nunn, state highway engr.

Ore., Baker—City voted $100,000 bonds to improve streets in suburban district. Plans include grading, leveling, draining and paving.

Ore., Gearhart—City plans to grade, excavate, level, remove old sidewalks and pave 1st St. from Ocean to Marion Aves. and 3rd St. from Marion to Ocean Aves, involving 385 sq.yd. concrete and 1163 cu.yd. common excav., etc. About $10,000. F. L. Hager, aud.

Ore., Helix—City Council adopted resolution to grade and pave several streets, concrete or bitulithic. Cost to exceed $15,000. V. Mason, city recdr.

Ore., La Grande—Union Co. voted $1,500,000 bonds toward cost of hardsurfacing 125 mi. road and graveling 600 mi. of branch roads, 18-24 ft. wide. Noted Aug. 14.

Streets and Roads (Continued)

Ore., Marshfield—City Council authorized Street Com. to report on all needed street improvements and take steps for improving Commercial Ave. from 9th to 12th Sts., Flanagan Ave., 10th, 11th and South 4th Sts. Work to include grading, drainin gand surfacing. About $10,000. E. K. Burton, city engr.

Ore., Oregon City—Clackamas Co. plans election to vote on $1,700,000 bonds, to improve 144 mi. of roads, 12-16 ft. wide. Work includes grading, paving, draining and hardsurfacing with concrete, asphaltic concrete or bitulithic. C. H. Compton, Oregon City, road master.

Ore., Oswego—City plans to surface 5 blocks of streets, involving 400,000 yd. crushed rock or gravel. About $10,000. J. N. Webster, Oswego, recdr.

Ore., Pendleton—City Council adopted resolution to improve streets in Dist. No. 70. Work includes grading, draining, leveling and some concrete paving. About $20,000. H. B. Longley, comr.

Ore., Pendleton—City Council adopted plans, estimates and specifications made by F. B. Hayes, city surv., to pave with gravel bitulithic, Assessment Dist. No. 68, from Lot 4, Livermores Addition, north parallel with Garfield St. 1020 ft., east along South of Martin St. 260 ft., east 1020 ft., west along north line of Jackson St. 260 ft., cost $9953; Assessment Dist. No. 69, from Lot 6 Raleys Addition, north 300 ft., east 260 ft., south 300 ft., west 260 ft. on north line of Raley St. to point of beginning, $2474. Plans include grading, draining, leveling and surfacing. J. Hailey, Jr., acting city recdr.

Ore., Portland—City Council adopted resolution to change system of grades on East 19th St. from center line of Skidmore St., north line of Crane St., center line of Skidmore St. to system of grades at center line of Skidmore St., center line of Crane St., north line of Mason St., 80 ft. north of north line of Mason St. Cost to exceed $10,000. O. Laurgaard, city engr.

Ore., Portland—City Council adopted resolution to pave, curb and drain driveway around Central Park, bitulithic. Cost $10,740. O. Laurgaard, city engr.

Ore., Portland—City plans to improve Front St., et al. and Leonard St. Plans include paving with concrete No. 1 or bitulithic concrete, draining, constructing concrete curbs and laying wooden headers. About $50,000. O. Luargaard, city engr.

Ore., Portland—Multnomah Co. plans to improve Montgomery Drive, cost $67,200; Fairmount Blvd., $166,500; Marquam Gulch Rd., $159,750; Boones Ferry, $150,000; Base Line Rd., $47,840; St. Johns Rd., $165,000, and Columbia Blvd., $47,840. W. A. Eatchel, co. roadmaster.

Ore., Roseburg—City Council having plans prepared by F. Frearer, engr., Roseburg, for paving Spruce and Washington Sts., concrete or bitulithic. Cost to exceed $10,000.

Ore., The Dalles—City Council adopted resolution to pave 8th St. from Trevitt to Union Sts., asphalt. About $10,000. P. W. Marx, city engr.

Ore., Vale—Malheur Co. and State Highway Comn., Portland, plan to build Brogan-Cow Valley Rd., cost $66,000; Cairo-Nyssa Rd., $76,000; Brogan-Vale Rd., $192,000; Ontario-Slide-Bottom Rd., $152,000; Vale-Burrell Ranch Rd., $34,000; Ontario-Snake River Rd., $25,000. Grading will be done by county, surfacing with gravel macadam or concrete by State Highway Comn. H. Nunn, Salem, state highway engr.

Cal., Berkeley—Comrs. Kern Co., appointed P. E. Kressley, engr., Newport Beach, to make surveys and supervise construction of 40 mi. roads in vicinity of Fellows, McKittrick and Midway Rd. Dists., (now being organized), 15-16 ft. wide, 6 in. concrete.

Cal., Long Beach—City plans to pave 4170 lin.ft. Olive and Alamitos Aves., involving 750 lin.ft. cement concrete curbing, 2750 sq.ft. cement concrete sidewalks and 23,454 sq.yd. bituminous concrete on 5 in. concrete base. About $43,002. A. de Ruiz, City Hall Annex, engr.

Cal., Long Beach—City plans to pave 2560 lin.ft. Magnolia Ave. between 4th and 10th Sts., involving 12,725 sq.yd. 2 in. asphalt on 4 in. concrete base. About $24,905. A. de Ruiz, city engr.

Cal., Long Beach—City plans to pave 4th St. from Molino to Terulno Aves., involving 17,953 sq.yd. 5 in. concrete, 800 lin. ft. 18 in. cement concrete curbing and 10,135 lin.ft. cement concrete sidewalk. About $33,833. A. de Ruiz, city engr.

Cal., Oakland—City plans to improve 63,615 sq.ft. Alice St. from 2nd to 7th Sts., involving 6773 sq.yd. asphalt, 1968 lin.ft. concrete curb and 2657 sq.ft. brick gutters. About $16,000. M. Campbell, city engr.

Cal., Oceanside—City plans to pave 2nd and 3rd Sts. About $60,000.

Cal., San Francisco—City plans to rebuild portions of large number of streets, principal one of which are Bay St. from Columbus Ave. to Embarcadero St., $48,919; Leavenworth St. from Post to McAllister Sts., $21,000; Eddy St. from Leavenworth St. to Van Ness Ave., $20,000; Powell St. from Jackson to Pacific Sts., $13,000, and Van Ness Ave. from Turk to Eddy Sts., $10,000. Total cost $359,462. M. M. O'Shaughnessy, city engr.

Cal., San Francisco—City having plans prepared for grading and paving 1700 ft. Market St. extension from Collingwood to Ord Sts., 74 ft. wide, involving 9445 sq.yd. asphaltic concrete and 1900 lin.ft. concrete curbing, cost $32,000; grading 3400 ft. Market St. from Mono to 24th Sts., 70 ft. wide, 5000 ft. iron stone pipe and building retaining walls and sewers, $62,000. M. M. O'Shaughnessy, city engr.

Cal., Ventura—Bd. Supervs. Ventura Co. set aside money for road work during this fiscal year as follows: $60,000 for resurfacing road from La Crosse to Ojai and from Moorpark to Royal Ave., $24,000 for resurfacing 7 mi. road from Royal Ave. to Santa Susanna, $25,000 improving South Maintain Rd. in Santa Paula, $23,000 improving Ojai Rd. in Santa Paula, $7500 for improving Cuyama Rd., $6000 for improving streets in front of court house and $20,000 for highway maintenance. C. Pettit, co. surv.

Cal., Yuba City — Comrs. Sutter Co. voted $810,000 bonds to pave roads. Noted Apr. 24.

Cal., Woodland—Yolo Co. voted $1,000,000 bonds to grade, pave, build bridges, culverts, etc., on 74 mi. highways. Noted July 31.

Que., Valleyfield—City plans to build 10 mi. waterbound and tar macadam roads. About $45,000.

Railways

PROPOSED WORK

Minnesota — Minnesota Northwestern Electric Ry., 2nd and Labree Aves., Thief River Falls, plans to extend road 500 mi. through Wisconsin, Minnesota and North Dakota. About $20,000,000. H. W. Protzeller, genl. mgr.

Nebraska—W. J. Dobbs, 6804 Florence Blvd., Omaha (representing company), having preliminary surveys made for 35 mi. railroad from Bengelman to Champion. About $700,000. H. E. McClintock, 1810 Manderson St., Omaha, engr.

Texas—F. H. Chandler and C. Neblett, of Stephenville, S. E. Snodgrass and D. W. Poers, of Desdemona, have formed company with $250,000 capital stock and plan to build railroad to oilfield district, to be known as Stephenville-Desdemona Oil R. R.

Texas—R. Q. Lee, Cisco, plans to build railroad line northward from Cisco to Breckenridge, 51¾ mi. long. About $700,000. J. Mead, Cisco, ch. engr.

California—Pacific Electric Ry., 6th and Main Sts., Los Angeles, plans to double track line, about 8 mi., between Gardena and San Pedro. G. E. Pillsbury, ch. engr.

Excavation and Dredging

PROPOSED WORK

Pa., Wilkes-Barre—Dredging—City and Hanover Twp. plan to dredge Solomons Creek, 5 mi. long, and build new channel to change course of water. About $1,000,000. Engineer not selected.

La., Lake Providence—Drainage—Baxter Bayou D. D., East Carroll Parish, plans to drain 45,000 acres alluvial lands. About $200,000. Morgan Eng. Co., Goodwyn Institute, Memphis, Tenn., engrs.

La., Lake Providence—Drainage—Tensas D. D., East Carroll and Madison Parishes plans to drain 175,000 acres alluvial lands. About $500,000. Morgan Eng. Co., Goodwyn Institute, Memphis, Tenn., engrs.

Ia., Onawa—Drainage—Monona Co. having plans prepared by C. Moriarty, engr., Sioux City, for system to drain 100,000 acres, including 25 mi. main ditch and 100 mi. lateral ditches. About $250,000.

Mont., Roundup—Irrigation—Deadman's Basin Irrigation Dist. plans to irrigate 25,000 acres in Musselshell Co. About $1,000,000. C. A. Renshaw, Roundup, engr.

Tex., Sulphur Springs—Levee—Levee Dist. No. 43, newly created, plans to build 1½ mi. levee, 15 ft. high, to reclaim 4000 acres of land, ¾ of which is in cultivation. About $185,000. R. B. Sparks, Cooper, engr.

Idaho, Emmet—Drainage—D. D. No. 1, Gem Co., organized by District Court, and plans to build system of open and closed drains, to cover 10,000 acres. About $175,000. Engineer not selected.

Idaho, Picabo—City plans to build 7 mi. open drain ditch, to drain 2200 acres, involving 150,000 cu.yd. excav. About $45,000. Engineer not selected.

Idaho, Preston—Irrigation—Cut River Canal Co. plans to enlarge corporation and build large reservoir on Worm Creek. About $200,000.

Utah, Brigham—Drainage—Comrs. Box Elder Co. retained B. McBride, engr., Logan, to prepare plans and estimates for draining Bear River district, here. About $100,000.

Utah, Provo — Drainage — Comrs. Utah Co. created Skipper Bay D. D. to drain 625 acres of land. About $25,000.

Ariz., Bowie — Irrigation — Citizens of San Simon Valley, organizing district embracing 200,000 acres and plans to build storm water irrigation district. Olmsted & Gillelen, 1112 Hollingsworth Bldg., Los Angeles, engrs.

Ore., Baker — Irrigation — Burnt River Irrigation Co., having plans prepared by L. R. Stockman, engr., Baker, building reservoir preparatory to irrigating lands on the South Fork of Burnt River. About $25,000. H. E. Tweed, Baker Co., agricultural agt., promoter of project.

Ore., Enterprise—Irrigation—J. Nuxell, S. M. Lovell and E. Y. Haskell, having preliminary plans prepared by P. Cupper, state engr., Salem, for system to irrigate 6000 acres of land, in Wallowa Co. Plans include building canals and reservoir to divert water from Little Sheep Creek and tributaries. About $100,000.

Ore., Keating — Irrigation — Property owners in Lower Powder River and Bib Creek Dists., having preliminary plans prepared by P. A. Cupper, Salem, state engr., irrigating 8000 acres near here. Work includes building reservoir, channels, laterals and flood gates. About $40,000.

Ore., Portland—Levee—Multnomah Co. D. D. No. 1, 577 Corbett Bldg., plans to build 11 mi. of levee embankment, involving 420,000 cy.yd. material, 80 acres clearing and grubbing, etc. Cost to exceed $25,000. W. G. Brown, 1322 Yeon Bldg., dist. engr.

Ore., Powell Butte—Irrigation—Powell Butte Irrigation Dist. voted to hire engineer and have plans and estimates prepared for irrigating 25,000 acres west of Prineville, to include building reservoir or storage dam, flumes, channels, canals and laterials. About $100,000.

Ore., Prineville — Irrigation — Bear Creek Irrigation Co. plans to build rock and earth fill dam on Bear Creek, preparatory to irrigation of 2000 acres in Bear Creek Valley. About $10,000. R. Luepper, Prineville, engr.

Ore., Redmond—Irrigation—Land owners in North Deschutes River Dist., making preliminary plans for irrigating 10,000 acres, by taking water from Central Oregon Irrigation Ditch. Work includes building of main canals, bridge across Deschutes River for carry flumes, head and flood gates and laterals, concrete and heavy timber. About $50,000. D. G. Burdick, dist. atty.

Ore., Vale—Irrigation—Shattuck-Edinger Co. having inspections made preliminary to extending Nevada Irrigation Ditch, installing pumping plant, enlarging mill ditch to capacity sufficient to carry the Gellerman-Froman Ditch water from Willow Creek pumping plant to Nevada Ditch diversion. Work includes extensive excavation, gates, waterheads, laterals, flumes, etc. About $75,000. J. Lewis, mgr.

Cal., Danville—Dam—Danville Irrigation Dist., having preliminary plans prepared by S. E. Keifer, engr., 57 Post St., San Francisco, for earth dam 92 ft. high, near San Ramon, concrete lined main canal and laterals to serve 1500 acres. About $224,000. A. G. Bell, secy.

Cal., Red Bluff—Irrigation—State and Federal engineers making surveys for Iron Canyon Project, which will involve dam, reservoir and about 70 mi. irrigation canals, etc., 7 mi. north of here. About $18,000,000. Address S. W. Curtis, Forum Bldg., Sacramento, asst. state engr.

Industrial Works

(★Indicates award of contract.)

Mass., Fairhaven—Atlas Storage Warehouse, Inc., 608 Pleasant St., New Bedford, plans to build 1 and 3-story, 75 x 200 and 30 x 50 ft., brick and rein.-con. refrigerating plant. About $100,000. Architect not selected.

Mass., Fall River—Fall River Electric Light Co., 85 North Main St., plans to build 1-story, brick and concrete addition to power plant, on Hathaway St. Architect not selected.

Mass., Fall River—A. J. Fearnley, 188 County St., plans to remodel 2-story factory, on South Main St. About $25,000. Architect not selected.

Mass., Holden—Jefferson Mfg. Co. purchased site on Grove St. and plans to build 1-story extension to weave shed. About $30,000. Architect not selected.

Mass., Holyoke—Holyoke Real Estate Trust Co., Boston, plans to build 3-story, brick and rein.-con. garage, on Suffolk and Elm Sts., here. About $200,000. Architect not selected.

Mass., New Bedford—New England Oil & Refining Co., Boston, plans to build oil station, on Washburn St., here. About $100,000.

Mass., New Bedford—Robertson Motor Car Co., Cottage St., plans to build brick and rein.-con. service station, on Kempton St. About $75,000. Architect not selected.

Mass., North Adams — New England Warehouse Co., Pittsfield, purchased site here along Boston & Albany R. R. tracks, and plans to build warehouse. About $75,000. Architect not selected.

Mass., Pittsfield—General Electric Co., Morningside St., plans to build brick and rein.-con. addition to factory. About $200,000. C. C. Chesney, genl. mgr. Private plans.

Mass., West Springfield (Springfield P. O.)—Sinclair Refining Co., New Bridge St., plans to build 1-story addition to oil plant, to include storage tanks, storehouse, etc. About $30,000. Private plans.

Mass., Woburn—L. Foucar Co. plans to build brick and concrete factory, to replace one recently destroyed by fire. About $60,000. Architect not selected.

Mass., Worcester—Main—Park Motors Co. plans to build 1-story, brick, concrete and steel garage and salesroom, on Main and Park Sts. About $50,000. Architect not selected. W. L. Vaughan, pres.

R. I., East Providence (Providence P. O.)—New England Oil & Refining Co., Boston, Mass., plans to build distributing station here. About $100,000.

R. I., East Providence (Providence P. O.)—Tidewater Oil Sales Co., 34 Central Wharf, Boston, Mass., plans to build distributing station to include storage tanks, warehouse, etc., at foot of Massosoit Ave., here. About $30,000. Private plans.

R. I., Providence — C. H. Levy, 114 Pratt St., plans to build 1-story, rein.-con. and steel garage, rein.-con. flooring, concrete foundation, on Canal St. About $40,000.

R. I., Providence—Silverman Bros., 150 Chestnut St., had plans prepared by T. J. H. Pierce, archt., 230 Industrial Trust Bldg., for 1-story, 100 x 150 ft., rein.-con. and steel garage, rein.-con. flooring, concrete foundation, on Lexington Ave. About $50,000.

R. I., Providence—W. L. Wilcox, 322 Broad St., plans to build 1-story, 60 x 100 ft., brick garage and service station, concrete foundation, on Elmwood Ave. About $40,000. Private plans.

R. I., Woonsocket—M. Novogroski, 5 Trumbull St., Worcester, Mass., plans to build 1-story, brick and concrete garage, on Main St., here. About $40,000. Architect not selected.

Conn., Bridgeport—Bridgeport Storage Co., 10 Whiting St., having plans prepared by Lockwood-Green Co., archts. and engrs., 101 Park Ave., New York City, building 8-story, rein.-con. and steel addition to warehouse, rein.-con. flooring, concrete foundation. About $150,000.

Conn., Bridgeport—A. F. Crotty, 385 William St., plans to build 1-story, 50 x 150 ft., brick and steel garage, concrete flooring and foundation. About $25,000. Architect not selected.

Conn., Bristol—J. H. Sessions & Son, Riverside Ave., plans to build 1-story, brick and rein.-con. storehouse, rein.-con. flooring, concrete foundation. About $40,000. Private plans.

Conn., Cedar Hill (New Haven P. O.)—Eastern Terminal Co., New Haven, plans to build concrete warehouse, here. About $100,000. Architect not selected.

Conn., Danbury—Metal Ball Co., 43 Foster St., plans to build 2-story, brick and steel addition to factory. About $35,000. Architect not selected.

Conn., Hartford—Amer. Sumatra Tobacco Co., Burnside Ave., plans to construct 5-story warehouse and office building on Commerce St., About $500,000.

Conn., Hartford—Williams & Carleton Co., 206 State St., plans to build warehouse on Connecticut Blvd. About $30,000. Architect not selected.

Conn., Manchester—Williams & Stephens Auto Co. plans to build brick garage and salesroom, on East Center St. About $50,000. Architect not selected.

Conn., Meriden—Cuno Eng. Co., South Vine St., having plans prepared by M. J. Unkelbach, archt., 162 Main St., New Britain, for concrete and steel factory, on Colony and Lake Sts. About $50,000.

Conn., Meriden — Landers, Frary & Clark, Commercial St., New Britain, plans to build factory on Main St. here. About $150,000. Architect not selected.

Conn., Milford—D. F. Webber, 10 Broad St., plans to build 2-story, brick and mill construction, bakery, on New Haven Ave. About $50,000. Architect not selected.

Conn., New Britain—New Britain Machine Co., 140 Chestnut St., having plans prepared by M. J. Unkelbach, archt., 162 Main St., for 1-story, 32x320 ft. factory, with 40x70 ft. ell, rein.-con. and steel, rein.-con. flooring, concrete foundation, on Chestnut St. About $40,000.

Conn., New Britain—G. E. Prentice Mfg Co., Berlin, plans to build brick and mill construction factory on Pleasant St., here. About $35,000. Architect not selected.

Conn., New Haven—N. Anastasio, 153 Wooster St., having plans prepared by H. S. Canniel, archt., 42 Church St., for 3-story, 48 x 95 ft., brick factory, on Grand Ave. About $30,000.

★**Conn., Waterbury** — Farrel Fdry. & Machine Co., 425 Bank St., plans to build 1-story, brick, concrete and steel foundry, on Meadow St. About $30,000. Work will be done by day labor. Private plans.

Conn., Westport—Hunt & Downs, State St., plan to construct 1-story, garage and business building. About $40,000. Architect not selected.

Conn., Winsted—Fitzgerald Mfg. Co., Meadow St., plans to build 3-story brick addition to factory on Boyd St. About $50,000. Architect not selected.

N. Y., Brooklyn—H. Frank, c/o Ebling & Magnusen, archts. and engrs., 52 Vanderbilt Ave., New York City, having preliminary sketches made for 1-story, 200 x 300 ft. brick and steel garage, rein.-con. flooring, concrete foundation, on Easter Parkway, here. About $80,000.

N. Y., Brooklyn—S. L. Max, 2567 Atlantic Ave., having plans prepared by M. Whinston, archt., 63 Park Row, New York City, for 1-story, 100 x 100 ft. brick and steel garage, rein.-con. flooring, concrete foundation, at 406-414 Osborne St. About $40,000.

N. Y., Elba—Wheat's Ice Cream Co., 235 Elm St., Buffalo, purchased plant of Flanders Co., here, and plans to alter same and install new power plant machinery and equipment. About $250,000.

N. Y., Huntington—Collins Motors, Inc., plans to build rein.-con. power plant and factory. About $100,000 and $25,000 respectively. Work will probably be done by day labor. Private plans.

N. Y., Long Island City—Pathe Exch., Inc., 25 West 45th St., New York City, plans to build 200 x 400 ft., rein.-con. and steel laboratory, rein.-con. flooring, concrete foundation, on Anby St. About $500,000. Architect or engineer not selected.

N. Y., Morristown—Carthage Sulphite Pulp & Paper Co., Front St., Carthage, purchased Gillis sawmill property, on St. Lawrence River, here, and plans to build pulpwood terminal with dockage and rail facilities. About $125,000. J. A. Outterson, Carthage, pres.

N. Y., New York—Advance Novelty Candy Mfg. Co., 511 East 72nd St., plans to build 5-story, 100 by 225 ft., rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on 138th St. and Willow Ave. About $500,000. Architect or engineer not selected.

N. Y., Ogdensburg—Morgan Chemical Co. plans to convert Arnod Brewing Co. plant into chemical factory, mill construction. About $60,000. N. E. Morgan, Hermon, pres.

N. Y., Oswego—Oswego Milling Co. plans to build grain elevator and poultry food mill, 6-story, concrete and steel, on East 9th and Mercer Sts.; also install transmission line.

N. Y., Rochester—Allen Woolen Mills, Elton and Russel Sts., plans to build 1-story, 133 by 185 ft. factory and 2-story, 48 x 84 ft. office and finishing plant, brick and steel, cost $135,000; also new boiler plant, $25,000. A. Allen, pres.

N. Y., Rochester—J. Cohen & Co., 123 Joseph Ave., plans to build 2-story, brick, storage plant and garage, on Joseph Ave. and Ward St. About $25,000.

N. Y., Rochester—Lehigh Valley R. R., Granite Bldg., plans to build 1-story, brick round house and repair shop, on Crouchs Island. About $28,000. G. T. Hand, 143 Liberty St., New York City, ch. engr.

N. Y., Union—Universal Instrument & Metal Co., recently incorporated with $75,000 capital stock, plans to build factory. About $50,000. D. S. Mersereau, Union, dir.

N. J., Bloomfield — Townsend Lawn Mower Co., Central Ave., West Orange, plans to build 3-story, 60 x 240 ft., concrete, brick and steel factory, on Henry St., here. About $40,000.

N. J., Jersey City—Tide Water Oil Co., Constable Hook, Bayonne, plans to build 4-story, concrete storage plant at foot of Communipaw Ave., here. About $200,000.

N. J., Newark—New York Linen Supply & Laundry Co., 332 East 32nd St., New York City, purchased site at 92-97 Sumner Ave., and plans to build 75 x 100 ft. plant. About $50,000. N. J. Convery, 28 Central Ave., archt.

Pa., Altoona—E. A. Caum, 504 9th Ave., receives bids in spring building 3-story, 75 x 120 ft. brick plant on 9th Ave. and 11th St. About $75,000. Architect not selected.

Pa., Johnstown—J. H. Brachen, Johnstown and M. J. Brachen, Gallitzin, plan to build 2-story, 60 x 80 ft. tile garage and storehouse, on Franklin and Poplar Sts. About $50,000. Architect not selected. Contract will be awarded privately.

Pa., New Castle—Jersey Creamery Co. plans to build creamery, brick, rein.-con. flooring, concrete foundation. About $50,000. McCormick Co., Century Bldg., Pittsburgh, archts. and engrs.

Pa., Nicholson—Calvin Silk Co., Tiffany Bldg., plans to build 2-story, 80 x 200 ft. silk mill, steel and brick, rein.-con. flooring, rock foundation. About $90,000. Architect not selected.

Pa., Pittsburgh—Crane Co., 836 South Michigan Ave., Chicago, Ill., purchased 192 x 447 ft. site here on Railroad and 24th Sts. and plans to build factory. Architect not selected.

Pa., Seward—Penn Pub. Serv. Co., Johnstown, plans to build concrete, steel and brick power plant along Conemaugh River, near here. About $2,000,000. F. T. Hepburn, pres.

Pa., Sunbury—R. Shipman plans to build 3 or 4-story, 60 x 70 ft., concrete and steel machine shop, on Susquehanna Ave., Reagan and Front Sts. About $60,000. Architect and engineer not selected.

Pa., Wilkes-Barre—Goldsmith Silk Co. plans to build 3-story, 300 x 400 ft. silk mill, steel, rein.-con. flooring, rock foundation, on Blackman St. About $500,000. Architect not selected.

Md., Baltimore—G. E. Blaylock Tire & Rubber Co., 1811 North Charles St., plans to build plant. About $300,000.

Md., Baltimore—C. Freudenthal, 6 South Eutaw St., plans to build 3-story, 41 x 48 ft., steel, frame and brick factory, rock foundation, on Redwood and Eutaw Sts. About $30,000. B. Frank, 328 North Charles St., archt.

Md., Baltimore — Kaufman Beef Co., Union Stock Yards, 6th St. near Wilkens Ave., having plans prepared by C. H. A. Wannanwetsch, archt., 563 Williams St., Buffalo, for 3-story, 150 x 150 ft., rein.-con. and brick packing house, rein.-con. flooring. About $150,000.

Md., Baltimore—Reus Bros. Co., 146-50 West Mt. Royal Ave., plans to build 1 and 2-story, 75 x 225 ft., steel, frame and brick factory, rein.-con. flooring, concrete foundation, on Western Maryland R. R. near North Ave. Cost between $75,000 and $100,000. Private plans.

Industrial Works (Continued)

Md., Baltimore—C. Spoerer's Sons Co., 901-9 South Carey St., plans to build 3-story warehouse and salesroom, on Cathedral St. and Park Ave. About $50,000.

Md., Brooklyn—J. H. Geis & Co., preparing plans for 1-story, 150 x 150 ft. planing mill, brick and frame.

Md., Cambridge—T. M. Bramble Co., Church Creek, plans to rebuild cannery recently destroyed by fire, loss $50,000. Plans include 1 and 2-story, brick and corrugated iron structure.

Md., Curtis Bay (Baltimore P. O.)—Armour Fertilizer Co., 1501 Munsey Bldg., Baltimore, acquired 20 acre site, here, and plans to build fertilizer plant, firepoof construction. About $2,000,000.

Md., Greensboro—Helvetia Milk Condensing Co. plans to build 1 and 2-story, 175 x 250 ft., brick or tile plant, rock foundation. About $100,000. Helfensteller, Hirsch & Watson, Chemical Bldg., St. Louis, Archts. Address J. Latzer, Greensboro.

Va., Fulton (Richmond P. O.)—W. F. Richardson, Jr., 216 South 7th St., Richmont, B. L. Purcell and others, plan to build rein.-con. elevator, 500,000 bu. capacity, near Chesapeake & Ohio R. R., cost $300,000; also remodel and alter building now on site, $25,000.

Va., Norfolk—Fenorstein & Co. having plans prepared by R. E. Mitchell & Co., engrs and archts., Flatiron Bldg., for 5-story, 180 x 250 ft., steel and brick storage plant.

Va., Richmond—Cheek-Neal Coffee Co., 1011 East Carey St., having plans prepared by Finger & Bailey, archts. and engrs., 601 Kress Bldg., Houston, Tex., for 70 x 100 ft., rein.-con. factory, concrete foundation, on 2nd and Hull Sts., here.

Va., Richmond—Long Ice & Coal Co. plans to build ice plant, on Brook Rd. About $100,000. Engineer not selected. Address A. T. Massie, 723 Natl. Bank Bldg.

Va., Richmond — C. F. Sauer Co., Meadow and Broad Sts., had plans prepared by H. T. Barnham, archt., Chamber of Commerce Bldg., for 4-story, 80 x 100 ft., concrete and brick factory, concrete flooring, also 2-story addition to present building. About $55,000.

W. Va., Huntington—Huntington Drug Co. having plans prepared by S. L. Day, archt., 216 8th Ave., for 5-story, 80 x 100 ft. rein.-con., wholesale drug house, on 7th St. and 7th Ave. About $100,000.

N. C., Durham—Durham Hosiery Mill plans to build rein.-con. dye house, also 6-story, 115 x 255 ft., steel and concrete plant. J. E. Sirrine, Greenville, S. C., archt.

N. C., Greensboro—Pomona Mills, Inc., plan to build 3-story, 95 x 125 ft., dye house, rein.-con. and standard mill construction. J. R. Sirrine, Greenville, S. C., archt. and engr.

N. C., High Point—Durham Hosiery Mill, Durham, plans to build 4-story, 80 x 125 ft., standard construction, mill, here. J. E. Sirrine, Greenville, S. C., archt.

S. C., Charleston—Hahn Ice Cream Co., Inc., King St., having plans prepared for 2-story, 100 x 100 ft., concrete and steel factory, on Laurens St., between Wall and Anson Sts. About $50,000. Benson & Borbott, 26 Broad St., engrs.

S. C., Ft. Mill—Ft. Mill Mfg. Co. plans to construct 60 x 120 ft. slasher building, 80 x 114 ft. dye house, 30 x 114 ft. opener building, all 2-story, standard mill construction. J. E. Sirrine, Greenville, archt.

S. C., Rock Hill—Manchester Mills plan to build 1-story, 200 x 320 ft. standard mill construction factory. J. R. Sirrine, Greenville, archt.

S. C., Sumter—E. H. Moses, former manager of Sumter Lighting Co., plans to build 50-ton ice plant, here.

S. C., Ware Shoals—Ware Shoals Mfg. Co. plans to build 100 x 125 ft. ice plant, rein.-con. J. E. Sirrine, Greenville, archt.

Fla., Moore Haven—L. G. Burton and A. J. Hendry, Arcadia, plan to build peanut mill here. About $250,000.

Fla., Tallahassee—City plans to install new electric light plant. About $100,000. Engineer not selected.

Tenn., Memphis—Seven States Oil Co. plans to build oil refinery, 2000 bbl. daily capacity. About $175,000. Address W. T. Berlin, chn. bldg. com. Architect not selected.

O., Akron—Klages Coal & Ice Co., 551 South High St., having plans prepared by A. C. Bishop, engr., Guardian Bldg., Cleveland, for 1-story, 57 x 106 ft., concrete, steel and brick factory, on South High St. About $100,000.

O., Bellevue—Collier Motor Truck Co., having plans prepared by E. McGeorge, archt., 1900 Euclid Ave., Cleveland, for 1-story, 60 x 90 ft., concrete, steel and brick assembling building. About $100,000.

O., Cincinnati—Ahrens Fox Engine Co., Cook and Alfred Sts., plans to build 3-story factory addition, on Colerain and Alfred Sts. About $100,000. Architect not selected.

O., Cincinnati—Kruse & Bahlman Hardware Co., Pioneer and Broad Sts., plans to build 8-story warehouse, on Pioneer St. About $325,000. Architect and engineer not selected.

O., Cincinnati—Rapid Electrotype Co., Canal St., near Race St., plans to build 2-story, 100 x 215 ft., rein.-con. factory, on McMicken and Elm Sts. Zettel & Rapp, Mercantile Bldg., archts.

O., Cincinnati—Sayer & Scovil Co., Gest and Summers Sts., having plans and specifications prepared by Tietig & Lee, archts., 4th Natl. Bank Bldg., and W. Franz, engr., Union Trust Bldg., for 3-story, 80 x 350 ft., rein.-con. factory, on Spring Grove Ave. About $400,000.

O., Cleveland—Bolivar Smith Co., 340 Leader News Bldg., having plans prepared by Concrete Steel Co., archts., 524 Guardian Bldg., for 3-story, 33 x 180 ft., rein.-con., steel and brick addition to garage, on Bolivar Ave. and 9th St. About $100,000.

O., Cleveland—Chandler Motor Car Co., East 131st St., having plans prepared by E. McGeorge, archt., 1900 Euclid Ave., for 3-story, 60 x 440 ft., rein.-con., steel and brick addition to assembling hall. About $200,000.

O., Cleveland—Co-operative Stove Co., 2322 East 67th St., having plans prepared by G. S. Rider Co., engrs., Century Bldg., for 1-story, 75 x 240 ft., rein.-con., steel and brick foundry, on East 67th St. About $300,000.

O., Cleveland — Federal Packing Co., East 4th St., having plans prepared by N. Petti, archt., Williamson Bldg., for 4-story, 40 x 115 ft. cold storage building, rein.-con., steel and brick. About $100,000.

O., Cleveland—Green, Hass, Schwartz Co., East 55th St., near Superior Ave., plans to build 3-story, 164 x 200 ft., concrete, steel and brick factory, boiler house and office, rein.-con. flooring, concrete foundation, on 105th St. and Elk Ave. About $500,000. Christian, Schwarzenberger, Gaede Co., 1900 Euclid Bldg., archts.

O., Cleveland—S. Levin, 2407 East 46th St., having plans prepared by A Sharowsky, archt., 2349 East 43d St., for 2-story, 116 x 139 ft., rein.-con., steel and brick garage, on Warren Rd. About $50,000. Noted Sept. 18.

O., Cleveland—L. Malewitz, Waterloo Rd., having plans prepared by Whitworth & Johnson, archts., Engineer's Bldg., for 2-story, 75 x 90 ft., rein.-con., steel and brick factory. About $30,000. Noted Sept 5.

O., Cleveland—Midwest Box Co., 111 West Washington St., Chicago, had plans prepared for 3-story, 98 x 402 ft., concrete, steel and brick factory and power house, rein.-con. flooring, concrete foundation, on West 100th St. and Western Ave., here. About $300,000. De Vore Co., 908 Nicholas Bldg., Toledo, archts. and engrs.

O., Cleveland—Rubay Co., 1328 West 78th St., plans to build 3-story, concrete, steel and brick, factory addition, rein.-con. flooring, concrete foundation, on West 78th St. About $500,000. G. S. Rider Co., Century Bldg., engrs. and archts.

O., Cleveland—T. H. Towell, Cadillac Bldg., having plans prepared by H. E. Shimmin, engr. and archt., 2031 Euclid Ave., for 2-story 200 x 220 ft., rein.-con., steel and brick, service and sales building, on East 21st St. About $300,000.

O., Cleveland—Union Tire & Rubber Co., Hippodrome Bldg., having plans prepared by Osborn Eng. Co., engrs., 2848 Prospect Ave., for 3-story, 165 x 190 ft., rein.-con., steel and brick plant. About $125,000.

O., Columbus—Columbus Union Oil Cloth Co., 7th Ave. and Cleveland, Cincinnati, Chicago & St. Louis R. R., having plans prepared by Bassett & Tresselt, archts., Central Natl. Bank Bldg., for 4-story, 95 x 105 ft., concrete and brick factory, also warehouse, several stories high. About $80,000.

O., Columbus—Hanna Paint Mfg. Co., 95-105 West Long St., plans to build 90 x 100 ft. warehouse on Ludlow St.

O., Dayton—Domestic Eng. Co., Taylor St., plans to build 4-story, rein.-con. addition to factory, rein.-con. flooring, concrete foundation, on East 1st St. About $100,000. Private plans.

O., Dayton—L. C. R. Storage Battery Co., North St. Clair St., plans to build 1-story, 70 x 150 ft., rein.-con. and brick service station, rein.-con. flooring, concrete foundation, on Ludlow and Franklin Sts. About $75,000. Architect not selected.

O., Dayton—B. Lehman's Sons, North Taylor St., plans to build 2-story, 50 x 100 ft., rein.-con. and brick warehouse, concrete foundation, on East Monument St. About $50,000. Architect not selected.

O., Dayton—F. Smith, 1035 Reibold Bldg., plans to construct 5-story, 20 x 90 ft., rein.-con. and brick, storage building, rein.-con. flooring, concrete foundation, on East 3d St. and St. Clair Ave. About $100,000. Architect not selected.

O., East Palestine—Natl. Tire & Rubber Co., East Taggart St., having plans prepared by E. McGeorge, archt., 1900 Euclid Bldg., Cleveland, for 2-story, 45 x 200 ft., rein.-con., steel and brick factory. About $50,000.

O., Franklin—Franklin Tractor Co. plans to build 1-story, 30 x 100 ft., steel and brick factory, rein.-con. flooring, brick foundation. About $25,000. Private plans.

O., Kent — Mason Tire & Rubber Co., Leader News Bldg., Cleveland, having plans prepared by Osborn Eng. Co., engrs., 2848 Prospect Ave., Cleveland, for 1-story, 100 x 150 ft., concrete, steel and brick garage, here. About $60,000.

O., Mansfield—Mansfield Electric Hardware Co. plans to build addition to plant. About $25,000.

O., Piqua—Val Decker Packing Co. having plans prepared by Cleveland Constr. Co., archts., Citizens Bldg., Cleveland, for 2-story, 36 x 170 ft., concrete, steel and brick storage building. About $50,000.

Ind., Indianapolis—Cole Motor Co., 750 East Washington St., plans to build 5-story, 180 x 228 ft. brick and steel factory, on Washington and Davidson Sts. About $1,000,000.

Ind., Indianapolis—Haywood Tire & Equipment Co., 526-32 North Capitol Ave., plans to build 2-story, 100 x 200 ft. concrete and brick factory, on Pennsylvania St. About $115,000.

Mich., Alma—Battle Bros. having plans prepared by G. J. Bachman and N. Maxon, archts., Flint, for 1-story, 70 x 150 ft., brick and tile garage, concrete flooring, concrete foundation. About $25,000.

Mich., Detroit—Genl. Motors Corp., 435 Woodward Ave., having plans prepared by Esselstyn, Murphy & Hanford, engrs., Marquette Bldg., for oil pumping system and 26 x 26 ft., concrete pump house, concrete foundation, on Holbrook Ave., also furnishing and installing 5 motor-driven oil pumps for circulating oil in heat treating and hardening plant. Owner will purchase equipment.

Mich., Detroit—J. Green, Michigan Ave. and 8th St., having plans prepared by H. T. Millar, archt., 320 Lightner Bldg., for 1-story 50 x 195 ft., brick and concrete garage, rein.-con. flooring, concrete foundation, on Michigan Ave. About $40,000.

Mich., Detroit—Superior Machine & Eng. Co., East Larned St., having plans prepared by Brown & Preston, archts., 406 Empire Bldg., for 5-story, 100 x 104 ft., rein.-con. and steel, machine shop, rein.-con. flooring, concrete foundation.

Mich., Detroit—Western Gear Mfg. Co., 1040 Scotten Ave., having plans prepared by L. Scisorek, archt., 226 Farwell Bldg., for 1-story, 40 x 80 ft., brick and steel plant, rein.-con. flooring, concrete foundation, on Scotten Ave. About $30,000.

Mich., Fenton—New Egyptian Portland Cement Co. having plans prepared by H. H. Lane, engr., 2320 Dime Bank Bldg., Detroit, for 1-story, 66 x 150 ft. rein.-con. storage bldg., rein.-con. flooring, concrete foundation.

Mich., Flint—Flint Bread Co., Poplar St., having plans prepared by G. J. Bachman and N. Maxon, archts., Flint, for 2-story, 64 x 66 ft. bakery, on Poplar and Walnut Sts., brick, stone and steel, concrete foundation. About $30,000.

Mich., Grand Rapids—Grand Rapids Furniture Mfg. Assn., 216 Lyons St., N. W., having plans prepared by Robinson & Campau, archts., 715 Michigan Trust Bldg., for 2-story, 80 x 400 ft., rein.-con. and brick warehouse, rein.-con. flooring, concrete foundation, on Fulton St.

Industrial Works (Continued)

Mich., Grand Rapids—Kent Steel Co., 523 Bond Ave., plans to build 1-story, brick and steel factory, concrete foundation, on Scribner Ave. Private plans.

Mich., Grand Rapids—Toledo Plate & Window Glass Co., 19 Ottawa Ave., plans to build 2-story, 132 x 132 ft., brick and steel factory and warehouse, concrete foundation. About $35,000. Private plans.

Mich., Jackson—Hup Motor Car Co., plans to build 1-story, 60 x 90 ft., rein.-con., brick and steel power house, rein.-con. flooring, concrete foundation. Smith, Hinchman & Grylls, 10 Washington Arcade, Detroit, archts.

Mich., Kalamazoo — Fuller & Sons, Pitcher St., plan to build 4-story, 100 x 100 ft., rein.-con. addition to factory, rein.-con. flooring, concrete foundation. Architect not selected.

Ill., Chicago—Amer. Car & Fdry. Co., 2417 South Paulina St., purchased 240 x 461 ft. site on Paulina St. and Blue Island Ave. and plans to build addition plant.

Ill., Chicago—Fitzsimmons Steel & Iron Co., West 37th St. and Racine Ave., plans to build 1-story plant, on 33rd St. and Kedzie Ave. About $300,000. Engineer not announced.

Ill., Chicago—Lincoln Ice Co., 317 North Elizabeth St., plans to build 4-story, 75 x 150 ft. rein.-con. plant, concrete foundation, at 329 North Elizabeth St. About $100,000. C. M. Almquist, 118 North La Salle St., archt.

Wis., Appleton—Reliance Motor Truck Co., Story and Spencer Sts., plans to build 4-story, 70 x 300 ft. brick, concrete steel addition to factory. About $100,000. Architect not selected.

Wis., Hartford — Paramount Knitting Co., 337 West Madison St., Chicago, plans to build 4-story, 250 x 300 ft. brick, rein.-con. and steel mill, brick foundation, on Main St. here. About $60,000. Architect not selected.

Wis., Janesville—J. G and W. Cronin, 426 Eastern Ave., plan to build ice cream plant. About $70,000. Architects not selected.

Wis., Kewaskum—A. L. Rosenheimer plans to build 4-story, 60 x 250 ft. brick, rein.-con. and steel factory, brick foundation, on Main St. About $50,000. Architect not selected.

Wis., La Crosse—P. Lorillard Tobacco Co., 651 West Doty St., Madison, having plans prepared by J. Law, archt., Stand Bldg., Madison, for 2-story, 150 x 250 ft. factory, on Rose and Sill Sts. here. About $100,000.

Wis., Lancaster — Burnelle-Suttle preparing plans for 2-story, 42 x 60 ft. rein.-con. and brick factory, rein.-con. flooring, brick foundation, on Main St. About $25,000. Private plans.

Wis., Milwaukee—Evinrude Motor Co., 279 Walker St., plans to build, 1-story, 300 x 300 ft. brick and steel factory, rein.-con. flooring, concrete foundation, on 27th St. near Lake St. About $125,000. Federal Eng. Co., Stephenson Bldg., engrs. and archts. Noted Dec. 12.

Wis., Milwaukee — Kalt-Zimmers Mfg. Co., 405 Reed St., plans to build 5 or 6-story, rein.-con. and brick addition to factory, rein.-con. flooring, concrete foundation. H. J. Esser, Camp Bldg., archt. and engr.

Wis., Milwaukee—Milwaukee Bedding Co., 292-4th St., plans to build 4-story, rein.-con. and brick factory, rein.-con. flooring, concrete foundation. Architect and engineer not selected.

Wis., Milwaukee—G. Ziegler Co., 362 Florida St., having plans prepared by Brust & Philipp, archts., Free Press Bldg., for 7-story, 80 x 115 ft. rein.-con. and brick addition to factory, rein.-con. flooring, concrete foundation. About $250,000.

Wis., Portage—Weinbrenner Shoe Co., 66 Juneau St., Milwaukee, plans to build 4-story factory here. About $125,000.

Wis., Sheboygan—Badger State Trainning Co., South Water St. and Maryland Ave., plans to build 3-story, 60 x 250 ft. tannery, brick, rein.-con. and steel, brick foundation, on Water St. About $50,000. Architect and engineer not selected.

Wis., Sheboygan—Excelsior Wrapping Co., 1635 Erie Ave., plans to build 3-story, 100 x 290 ft. brick, rein.-con. and steel factory, brick foundation. About $30,000. Architect not selected.

Wis., Sheboygan—Globe Co., 824 Pennsylvania Ave., having plans prepared by W. C. Week, archt., 720 Ontario Ave., for 1-story, 50 x 128 ft. brick and steel foundry and 70 x 150 ft. cupola building. Noted Sept. 4.

Wis., South Milwaukee (Milwaukee P. O.)—Universal Aniline Dyes & Chemical Co., 1009 Wells Bldg., Milwaukee, having plans prepared by O. C. Uehling, archt. and engr., 511-1st Wisconsin Natl. Bank Bldg., Milwaukee, for 1, 2 and 3-story dye manufacturing plant to include 1-story, 30 x 40 ft. laboratory, power house, main building, 2 or 3 dye houses, warehouse, office, etc., rein.-con. and brick, rein.-con. flooring, concrete foundation. About $200,000.

Ia., Sioux City—Auto Corp., 201 Morton Mart St., having plans prepared by Osborne Eng. Co., engrs., 2848 Prospect St., Cleveland, O., for 3-story, 175x280 ft. brick, rein.-con. and steel factory, rein.-con. flooring, concrete foundation. About $200,000. B. A. Rheinstrom, mgr.

Minn., Detroit—Walz Bros. having plans prepared by Kampfer & Sons, archts., 103 Bates Ave., St. Paul, for 2-story, 42 x 80 ft., ice cream plant, rein.-con. and brick. About $52,000.

Minn., Minneapolis — W. T. Rawleigh Co., 9 Washington St., Freeport, Ill., preparing plans for 2-story, 50 x 160 ft., rein.-con. and brick factory, here, on 10th Ave. N. and 3rd St. About $60,000. A. R. Collette, mgr.

Minn., Minneapolis—State Fair Assn. having plans prepared by C. H. Johnson, archt., Capital Bank Bldg., St. Paul, for 1-story, 140 x 240 ft., steel and brick, stock barn, on state fair grounds. About $300,000.

Kan., Fort Scott—W. G. Brown,, of Brown Motor Co., plans to build 1-story, 50 x 120 ft., rein.-con., steel and brick garage and salesroom, concrete foundation, at 23 South National Ave. About $30,000. Architect not selected.

Kan., Wichita—J. Luling, 1st and Emporia Sts., plans to build 2-story, brick, laundry. About $70,000. Architect not selected.

Kan., Wichita—Sterling Oil & Refining Co., 511 Beacon Bldg., plans to building rein.-con., steel and brick addition to plant, concrete foundation, to increase capacity 4000 barrels per day. About $100,000. Architect or engineer not selected.

Neb., Auburn—City plans election to vote on $60,000 bonds to enlarge electric ligut plant. Archer & Stevens, 609 New England Bldg., Kansas City, Mo., consult. engrs.

Neb., Lincoln—City plans election to vote on $300,000 bonds to extend light plant. Plans include one 3000 k.w. turbo-generator, one 500 h.p. boiler, also rebuilding and remodeling plant. Burns & McDonnell, 400 Interstate Bldg., Kansas City, Mo., engrs.

Neb., Norfolk—Armour & Co., 208 South LaSalle St., Chicago, preparing plans for 3-story cold storage and poultry plant. About $100,000. Private plans.

Neb., Sidney—F. M. Wooldridge, c/o Nebraska State Bank, plans to build a 2-story, 72 x 132 ft. cold storage warehouse. About $60,000. Wilson & Wilson, Commonwealth Bldg., Denver, archts.

Mo., Kansas City—Kansas City Bolt & Nut Co., Sheffield, plans to build steel rolling mill, rein.-con., steel and brick, rein.-con. flooring, on Blue River, here. About $1,000,000. C. E. Duncan, Kansas City, engr.

Mo., Nevada — H. R. Primmer, archt., Nevada, preparing plans for 2-story, 97 x 160 ft., rein.-con., steel and brick garage, rein.-con. flooring. About $75,000. Owner's name withheld.

Mo., St. Joseph—R. E. Hastings, 311 North 8th St., plans to build grain elevator, in southern section of city. About $200,000 Architect not selected.

Mo., St. Joseph—G. W. Helm Grain Co., Corby Bldg., plans to build grain elevator, 3-story, concrete, steel and brick, rein.-con. flooring, rock foundation, on 8th and Olive Sts. Architect to be announced soon.

Mo., St. Joseph—St. Joseph Structural Steel Co., 4th and Franklin Sts., plans to construct steel plant, on 8th and Atchison Sts. Plans include steel shop buildings and brick office buildings. About $75,000. Private plans. Work will probably be done by day labor.

Mo., St. Louis—Amer. Seed Co., Franklin Ave. and Bway., plans to construct 3-story, 80 x 95 ft., concrete and brick warehouse, office and other buildings, rock foundation, at 814 North Bway. About $50,000. Architect not selected.

Mo., St. Louis—Central Shoe Co., 17th and Washington Sts., plans to build concrete, steel and brick addition to factory, on Washington Ave. About $70,000. Architect not selected.

Mo., St. Louis — Mineral Refining & Chemical Corp., Iron Mt. R. R. and River Des Peres, plans to build rein.-con., steel and brick factory, rein.-con. flooring, rock foundation. About $4,000,000.

Mo., St. Louis—Oliver Electric & Mfg. Co., 4221 Forest Blvd., had preliminary plans prepared for concrete, steel and brick addition to factory. About $100,000. Architect not selected.

Ark., Dermott—R. M. Scott, mgr. Dermott Bottling Works, plans to build ice plant, ice cream factory, bottling works and grist mill, here. About $30,000.

Tex., Beaumont—Ford Agency, 509-11 Colorado St., Austin, having plans prepared by H. F. Kuehne, archt., Littlefield Bldg., Austin, for 2-story, 120 x 140 ft. rein.-con. and brick garage, here. About $60,000.

Tex., Ft. Worth—Royal Duke Refining Co. plans to build 1 and 2-story, 5000-bbl., rein.-con., brick and steel refinery, brick and concrete foundation, along St. Louis & San Francisco R. R. T. A. Hillburn, pres. E. E. Costley, c/o owner, engr.

Tex., Ft. Worth—Royal Duke Refining Co., Box 1400, purchased 112-acre site and plans to build steel and concrete, tank farm. E. E. Costley, c/o owner, engr.

Tex., McKinney—McKinney Ice & Coal Co. plans to build ice storage plant, 50 x 50 x 50 ft., brick and concrete. About $30,000.

Tex., Marshall — Coca-Cola Bottling Wks., 107 North Lafayette St., plans to build 70 x 120 ft. brick and concrete factory. About $100,000.

Tex., Wichita Falls—Holliday Refining Co. plans to build refinery. About $500,000. J. G. Lawrence, Little Rock, Ark., engr.

Okla., Chickasha — Walker Refinery plans to build refining plant, to increase capacity from 1000 to 4000 bbl. E. White, Chickasha, engr.

Okla., Henryetta—A. Rowing plans to build 2-story, 70 x 160 ft. factory, on Main St. About $75,000. Architect and engineer not selected.

Okla., Nowata—City election in December to vote on $200,000 bonds to build electric light and power plant.

Okla., Pawhuska—A. J. Love & Co., archts., Pawhuska, preparing plans for 2-story, 50 x 140 ft. rein.-con., steel and brick, factory, rock foundation. About $65,000. Owner's name withheld.

Idaho, Boise—Idaho Co-operative Sugar Co., 90 Idaho St., preparing plans for four 2 and 3-story concrete factories, concrete foundations, in southwest section of city. About $2,000,000. R. G. Cole, mgr.

Idaho, Caldwell—Interstate Warehouse Co. plans to build storage house, 1 story, concrete, concrete foundation, cost $50,000; grain elevator, 2-story frame, concrete foundation, $50,000. Architect not selected. B. M. Holt, dir.

Nev., Reno — Sierra Auto Supply Co. having plans prepared by G. C. Sellon & Co., archts., 1005 8th St., Sacramento, Cal., constructing automobile sales station and loft building, 4 story, brick. About $60,000.

Wash., Pullman—T. C. Martin plans to build 2-story, 120 x 120 ft., brick and terra cotta garage and shop, on Grand and Oleson Sts. About $40,000. W. Swain, Pullman, archt.

Wash., Spokane—Blazeout Co., recently incorporated, plans to build 2 or 3-story, concrete factory, concrete foundation. About $100,00. Private plans.

Wash., Tacoma—J. C. Heitman, 111 South 10th St., and J. A. La Gasa, Ansonia Apts., plan to build 3-story, 65 x 130 ft., rein.-con. garage, on South 9th and E Sts. About $50,000. Architect not selected.

Wash., Walla Walla—H. H. Harris Mfg. Co., Park and East Sts., Stockton, Cal., purchased the Gilbert Hunt Mfg. plant, here, and plans to establish foundries and construct several new buildings. Cost, including equipment, $350,000.

Ore., Astoria—C. H. Davis, Jr., and Weyerhaeuser estate, Northwestern Bank Bldg., Portland, purchased 3200 acre tract along Youngs Bay and plans to build 2-story, concrete and timber, mill. About $75,000. Architect not selected.

Ore., Cottage Grove—Woodson Bros. purchased site and plan to build 2-story, 100 x 100 ft., rein.-con. garage and machine shop. About $50,000. Private plans.

Industrial Works (Continued)

Ore., Marshfield—Rupert Co., Worcester Bldg., Portland, plans to build 2-story, 200 x 400 ft., cannery, timber, concrete foundation, in Coquille Valley, here. About $50,000. A. M. Mears, mgr. Architect not selected.

Ore., Marshfield—Southern Pacific R. R., Yeon Bldg., Portland, preparing preliminary plans for 2-story, 25 x 170 ft., freight depot and warehouse, frame, concrete foundation, on Bway. St. About $50,000. A. Mercier, Portland, supt. Private plans.

Ore., Oregon City—Stuart Non-Puncturable Liner Tire Co. plans to build 2 or 3-story, brick or concrete factory. About $50,000. C. A. Stuart, Oregon City, pres. Architect not selected.

Ore., Roseburg—City having preliminary plans prepared by F. Fraser, city engr., for light and water power plant on North Umpqua River, near Rock Creek, also for building concrete dam and laying cast iron pipe line from reservoir site to city. About $400,000.

Ore., Roseburg—C. W. Parker plans to build 2-story, 75 x 100 ft. concrete garage, concrete foundation, on Rose St. About $50,000. Private plans.

Ore., Salem—Salem Paper Mill Co. plans to build 2-story, 86 x 275 ft. concrete plant, concrete foundation, with 3-story tower on each end and concrete pier walls with glass between piers. About $50,000. Private plans.

Ore., Silverton—Coolidge Co. plans to build 1-story, 40 x 68 x 93 ft. brick garage, concrete foundation, on 1st and Lewis Sts. About $50,000. Architect not selected. Johnson & Simmons, lessees.

Cal., Bishop—Watterson Bros. having plans prepared by Eng. Serv. Co., engrs., 816 Washington Bldg., Los Angeles, for 1-story, 71 x 150 ft., rein.-con. garage, concrete foundation.

Cal., Gustine—Carnation Milk Products Co., Stuart Bldg., Seattle, Wash., plans to build 7-story plant, here. About $250,000.

Cal., Hanford—Swift & Co., 76 West Monroe St., Chicago, plans to build 2-story, rein.-con. creamery and warehouse, here. About $150,000.

Cal., Los Angeles—Bekins Fireproof Storage Co., 1335 South Figueroa St., plans to build 4-story, 50 x 150 ft. storage plant. Architect not selected.

Cal., Los Angeles—Goodyear Tire & Rubber Co. of California plans to build cotton mill at 6601 Central Ave., 3 story, 130 x 580 ft., rein.-con. About $300,000. Condron Co., 53 West Jackson Blvd., Chicago., archts.

Cal., Los Angeles—W. E. Hampton, c/o Shepherd & Hamm, archts. and engrs., Central Bldg., Pasadena, having plans prepared for group of buildings on 10 acre site, on 6th, Industrial, Mill and Mateo Sts., to consist of warehouses, packing house, ice factory and cold storage building. About $750,000.

Cal., Los Angeles—Pacific Sewer Pipe Co., 308 West Ave. 26, plans to build factory. About $150,000. Architect not selected.

Cal., McCloud—McCloud River Lumber Co. plans to build 3-band mill, etc., to be operated by electricity instead of steam, brick refuse burner, 150 ft. high, 50 ft. diameter. About $500,000. Work involves 785,000 common brick, 1650 bbls. cement, 800 bbls. lime, 1,000,000 ft. lumber, etc.

Cal., Oakland—Bisceglia Bros., Monterey Rd., San Jose, purchased site, on High St. and Tidal Canal, here, and plan to build packing plant. About $200,000. Architect not selected.

Cal., Oakland—Pacific Tank Co., 318 Market St., San Francisco, plans to build warehouses and docks along waterfront.

Cal., Sacramento—J. Breuner Co., 604 K St., having plans prepared by E. C. Hemmings, archt., 1203 J St., for 2-story, rein.-con. garage and shipping building, on 6th and L Sts. About $50,000.

Cal., Sacramento—A. R. and E. A. Meister, 403 9th St., purchased 54-acre site on 12th St. Rd., and having preliminary plans prepared by E. C. Hemmings, archt., 1203 J St., for concrete, brick and timber factory. About $200,000.

Cal., Whittier—Standard Oil Co., 1727 North Spring St., Los Angeles, purchased 93-acre site near here, and plans to build refinery.

N. B., Moncton—City Council appropriated $30,000 to extend electric light plant. J. Edington, engr. Clip.

Que., Montreal—S. Osborn Co., St. Antoine St., plans to build 3-story, 50 x 70 ft. steel and brick factory, concrete foundation. About $25,000. E. Cormier, St. Catherine St. E., archt.

Que., Quebec—P. Marton & Co., 50 St. Paul St., had plans prepared by C. Dufort, archt., 195 St. Catherine St., Montreal, building 4-story, 60 x 100 ft., concrete, steel and brick warehouse, rein.-con. flooring, concrete and rock foundation. About $90,000.

Que., Quebec—J. Ritchie Co., Ltd., 39 St. Helene St., preparing plans for 3-story, 50 x 75 ft., steel and brick factory, concrete foundation. About $35,000.

Ont., Brockville—Brockville Paper Mfg. Co., having plans prepared and soon receives bids building factory on Park St. N. About $60,000.

Ont., Goderich—Lake Huron Steel Corp. purchased 250-acre site along Lake Huron and plans to construct 1-story, brick and steel plant, concrete flooring, to consist of blowing, rod and bar mills. Cost between $6,000,000 and $10,000,000. E. H. Beck, Goderich, ch. engr.

Ont., Hamilton—International Plow Wks. having plans prepared by B. H. Prack, engr. and archt., Lumsden Bldg., Toronto, for brick, steel and concrete factory, concrete flooring and foundation, probably 1 story. About $50,000.

Ont., Toronto—Blackford, Davies & Co., 60 Front St. W., plans to build 10-story, 40 x 150 ft., concrete, steel and brick factory, rein.-con. flooring, concrete foundation, at 48 Bay St. About $200,000. Engineer not selected.

Ont., Toronto—Cutten & Foster, 302 Church St., having plans prepared by W. Steel & Sons, archts. and engrs., Ryrie Bldg., for 3-story, 60 x 120 ft., concrete, steel and brick factory, rein.-con. flooring, concrete foundation, on Church St. About $80,000.

Ont., New Toronto—Goodyear Tire & Rubber Co. preparing plans for 4-story, 80 x 300 ft., rein.-con., steel and brick factory, rein.-con. flooring, concrete foundation, on Lake Shore Rd. About $200,000.

Ont., Toronto—Ideal Bedding Co., 10 Jefferson Ave., having plans prepared by C. J. Gibson, archt., Excelsior Life Bldg., for 3-story, 50 x 100 ft. brick and steel addition, concrete flooring and foundation. About $50,000.

Ont., Toronto—Pearson Bros, Ltd., 17 Adelaide St., E., plans to build 3-story, 60 x 220 ft. rein.-con. and brick garage, concrete flooring. About $100,000. Architect not selected.

Ont., Wingham—Town voted $40,000 bonds, thereby authorizing Hydro Electric Power Comm. of Ontario to build power plant and distribution system. Work includes 30 mi. power line from here to Eugenia Falls. E. A. Gaby, Hydro Bldg., Toronto, engr.

Buildings

PROPOSED WORK

Me., Auburn—Memorial—City Memorial Comm. plans to construct memorial building to include clubrooms, community center, etc. About $250,000. Architect not selected.

Me., Bangor—Theatre—B. S. Moss, 729 7th Ave., New York City, plans to build 100 x 100 ft., brick, steel and stone, brick foundation, here. About $400,000. De Rosa & Pereira, 116 West 40th St., New York City, archts. and engrs.

Vt., Barre—Theatre—Brattleboro Theatre Co. plans to build theatre, with 1200 seating capacity. About $150,000. E. C. Farrington, pres. Architect not selected.

Me., Bath—Hotel—Bath Hotel Co., 97 Exchange St., Portland, plans to build large hotel here, to be known as "Hunters Lodge." About $500,000. Address I. E. Vernon, c/o owner. Architect not selected.

Mass., Blackstone—Library—Memorial Bdg. Comm. plans to build 1-story, stone library. About $50,000. Architect not selected.

Mass., Boston—Dining Room, etc.—Comm. on Mental Diseases, 36 State House, had plans prepared by Kendall, Taylor & Co., archts., 93 Federal St., for 2-story dining room (west group) and 2-story, nurses home, brick and steel, for Boston State Hospital. About $80,000 and $75,000 respectively. G. M. Kline, dir.

Mass., Brockton—Theatre—B. S. Moss, 729-7th Ave., New York City, plans to build 100 x 100 ft., brick, steel and stone, brick foundation. About $400,000. De Rosa & Pereira, 110 West 40th St., New York City, archts. and engrs.

Mass., Easthampton—Church—Church of Notre Dame plans to build brick and stone church on Pleasant St. About $[illegible],000. Architect not selected.

Mass., Fall River—Hospital—City plans to build brick and steel hospital. About $150,000. D. H. Fuller, supt. of hospitals. Architect not selected.

Mass., Fall River—School—St. Anne's Roman Catholic Church plans to build school. About $150,000. Architect not selected.

Mass., Greendale (Worcester P. O.)—College—Assumption College plans to build addition to college. About $500,000. Architect not selected.

Mass., Holyoke—Church—Unitarian Church, 40 Morgan St., plans to build church on Appleton and Poplar Sts. About $50,000. A. H. Coar, pastor. Architect not selected.

Mass., Leominster—Hospital—City plans to build hospital. About $150,000. B. W. Doyle, chn. com. Architect not selected.

Mass., New Bedford—Community—City plans to construct memorial community house. About $300,000. Architect not selected.

Mass., North Adams—School—City plans to build school and athletic field on State St. About $100,000. Architect not selected. B. J. Merriam, supt.

Mass., Northampton—College—Smith College, College Hall, plans to construct physics and geology building, on campus. About $150,000. W. A. Neilson, pres. Architect not selected.

Mass., North Reading—Dormitory—State Comm. Mental Diseases, Boston, having plans prepared by H. F. Kellogg, archt., 93 Federal St., Boston, for 2-story, 42 x 86 ft., brick and timber, on state grounds, here. About $50,000.

Mass., Pittsfield—Hospital—Hillcrest Hospital, North St., plans to build two 3-story, brick, concrete and steel additions with connecting corridor. About $150,000. Architects not selected.

Mass., Pittsfield—School, etc.—Berkshire Co. Home for Crippled and Deformed Children plans to construct school, dormitory and industrial building. About $100,000. Architect not selected.

Mass., Provincetown—Hospital—Town plans to build 3-story, memorial hospital. About $150,000. Architect not selected.

Mass., Quincy—Housing—J. S. Draper, 10 State St., Boston, having plans prepared by J. E. McLoughlin, archt., Tremont Bldg., Boston, for one hundred 2-story houses on Sea St. Plans include building sewers, sidewalks and 5 mi. of streets. About $1,000,000.

Mass., Quincy—Theatre—B. S. Moss, 729 7th Ave., New York City, plans to build 100 x 100 ft., brick, steel and stone, brick foundation, here. About $400,000. De Rosa & Pereira, 110 West 40th St., New York City, archts. and engrs.

Mass., Shrewsbury—Church—St. Theresa Roman Catholic Church plans to build 1-story, 35 x 85 ft., brick. About $60,000. Private plans.

Mass., South Hadley—Dormitory—Mt. Holyoke College having plans prepared by Brainerd & Leeds, archts., 89 Franklin St., Boston, for 3-story, stone and concrete, concrete foundation, on campus. About $500,000. Noted July 31.

Mass., Springfield—Bank and Office—Atlas Trust Co. plans to build 10-story, brick, concrete and steel, on Main and Court Sts. About $500,000. Architect not selected.

Mass., Springfield—Club—Amer. Legion of Springfield plans to build brick and steel Spring St., About $250,000. Architect not not selected.

Mass., Springfield—Hotel—D. H. Sievers & Co., Hillman St., having plans prepared by W. B. Reid, archt., 226 Walnut St., Holyoke, for 6-story, 100 room, brick and steel addition to Highland Hotel, on Hillman St. About $100,000. Noted Aug. 7.

Mass., Springfield—High School—City plans to build vocational high school on Spring St. About $250,000. Architect not selected.

Mass., Springfield—School—City plans to build 22-room grammar school on School and High Sts. About $225,000. Architect not selected.

Mass., Springfield—Store—A. Steiger Co., 345 Main St., purchased Lange Bldg. on Bridge St. (4-story), and plans to remodel same for own use. About $50,000.

Mass., Webster—Hospital—Chamber of Commerce plans to build new hospital. About $125,000. Architect not selected.

302